

CAPITOL WATER CORPORATION (PWS 4010022) SOURCE WATER ASSESSMENT FINAL REPORT

May 23, 2002



State of Idaho Department of Environmental Quality

Disclaimer: This publication has been developed as part of an informational service for the source water assessments of public water systems in Idaho and is based on data available at the time and the professional judgement of the staff. Although reasonable efforts have been made to present accurate information, no guarantees, including expressed or implied warranties of any kind, are made with respect to this publication by the State of Idaho or any of its agencies, employees, or agents, who also assume no legal responsibility for the accuracy of presentations, comments, or other information in this publication. The assessment is subject to modification if new data is produced.

Executive Summary

Under the Safe Drinking Water Act Amendments of 1996, all states are required by the U.S. Environmental Protection Agency (EPA) to assess every source of public drinking water for its relative sensitivity to contaminants regulated by the Act. This assessment is based on a land use inventory of the designated assessment area and sensitivity factors associated with the wells and aquifer characteristics.

This report, *Source Water Assessment for Capitol Water Corporation, Boise, Idaho*, describes the public drinking water system, the boundaries of the zones of water contribution, and the associated potential contaminant sources located within these boundaries. This assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. **The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the water system.**

The Capitol Water Corporation (PWS #4010022) drinking water system consists of one active well, three seasonal wells, one standby well, and two wells not in operation. The system serves approximately 7,400 people through 2,492 connections.

Final susceptibility scores are derived from System Construction scores, Hydrologic Sensitivity scores, and Potential Contaminant/Land Use scores. Potential Contaminants/Land Uses are divided into four categories, inorganic contaminants (IOCs, i.e. nitrates, arsenic), volatile organic contaminants (VOCs, i.e. petroleum products), synthetic organic contaminants (SOCs, i.e. pesticides), and microbial contaminants (i.e. bacteria). As different wells can be subject to various contamination settings, separate scores are given for each type of contaminant.

In terms of total susceptibility, the seasonal Well #1 rated automatically high for IOCs, VOCs, SOCs, and microbials due to a detection of total coliform (May 1994) and trichloroethylene (December 1998) in the well and the presence of two houses within the well's 50 foot sanitary setback distance. Nitrate was detected within allowable concentrations. No SOCs were detected. If not for the automatic rating, Well #1 would have rated moderate for all four contaminant categories.

Well #2 has been abandoned and is not in operation.

In terms of total susceptibility, the seasonal Well #3 rated moderate for IOCs, automatically high for VOCs, and moderate for SOCs and microbials. The automatically high VOC rating is due to a detection (July 1993) of PCE (tetrachloroethylene or PERC) in the well. Nitrate has been detected in the well within allowable concentrations. No SOCs have ever been detected. If not for the automatic rating, Well #3 would have rated moderate for all four contaminant categories.

In terms of total susceptibility, the seasonal Well #4 rated automatically high for IOCs, VOCs, SOCs, and microbials. The automatic high rating is due to detections (eight times between July 1993 and December 2000) of trichloroethylene in the well, and the presence of Cole Road and a ditch within the 50 foot sanitary setback distance. No SOCs have been detected in the well. Traces of fluoride, barium, and nitrates have been detected, but within allowable limits. Arsenic has been detected in the well in concentrations of 6 parts per billion (ppb), a level greater than one-half of the revised MCL of 10 ppb. In October 2001, the EPA lowered the arsenic MCL from 50 ppb to 10 ppb.

Well #5 has been deleted from the system and is currently not in operation. It is noteworthy that trichloroethylene has been detected six times in the well. The original detection (August 1995) was at 1.5 ppb, and levels have steadily increased to 11.1 ppb (December 1998) and 8.2 ppb (April 1999). The maximum contaminant level (MCL) is 5ppb.

In terms of total susceptibility, the standby Well #6 rated automatically high for IOCs, VOCs, SOCs, and microbials. The automatic high ratings are due to a bike path and garage within the 50 foot sanitary setback distance. In addition, the presence of PERC has been detected (July 1993), and concentrations of Arsenic 26 ppb (2.6 times greater than the revised MCL of 10 ppb) have been detected. No SOCs have been detected. Nitrate has been detected, but at concentrations within the allowable limit.

In terms of total susceptibility, the continuously active Well #7 rated moderate for IOCs, VOCs, SOCs, and microbials. Nitrate was detected in the well, but within allowable concentrations. Arsenic was detected at 10 ppb, concentrations equalling the revised allowable limit.

This assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what ranking a source receives, protection is always important. Whether the source is currently located in a “pristine” area or an area with numerous industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources. If the system should need to expand in the future, new well sites should be located in areas with as few potential sources of contamination as possible, and the site should be reserved and protected for this specific use.

For Capitol Water Corporation, drinking water protection activities should first focus on correcting any deficiencies outlined in the sanitary survey (an inspection conducted every five years with the purpose of determining the physical condition of a water system’s components and its capacity). Because some of the wells in the system test at greater than one-half the level of the revised allowable limit for arsenic, engineering controls may need to be implemented to monitor and maintain or reduce the level of this contaminant in the water system. EPA plans to provide up to \$20 million over the next two years for research and development of more cost-effective technologies to help small systems meet the new limit. Actions should be taken to keep a 50-foot radius circle clear around the wellhead. Any spills from the major transportation corridors should be carefully monitored and dealt with. As much of the designated assessment area is outside the direct jurisdiction of Capitol Water Corporation, collaboration and partnerships with state and local agencies and industry groups are critical to the success of drinking water protection. The well should maintain sanitary standards regarding wellhead protection.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan as the delineation contains some urban and residential land uses. Public education topics could include proper lawn and garden care practices, household hazardous waste disposal methods, proper care and maintenance of septic systems, and the importance of water conservation to name but a few. There are multiple resources available to help communities implement protection programs, including the Drinking Water Academy of the U.S. Environmental Protection Agency. As there are major transportation corridors through the delineations, the Idaho Department of Transportation should be involved in protection activities.

A community must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (i.e. zoning, permitting) or non-regulatory in nature (i.e. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Boise Regional Office of the Idaho Department of Environmental Quality.

SOURCE WATER ASSESSMENT FOR CAPITOL WATER CORPORATION, BOISE , IDAHO

Section 1. Introduction - Basis for Assessment

The following sections contain information necessary to understand how and why this assessment was conducted. **It is important to review this information to understand what the ranking of this assessment means.** Maps showing the delineated source water assessment area and the inventory of significant potential sources of contamination identified within that area are included. The list of significant potential contaminant source categories and their rankings used to develop the assessment also is included.

Background

Under the Safe Drinking Water Act Amendments of 1996, all states are required by the U.S. Environmental Protection Agency (EPA) to assess every source of public drinking water for its relative susceptibility to contaminants regulated by the Safe Drinking Water Act. This assessment is based on a land use inventory of the delineated assessment area and sensitivity factors associated with the wells and aquifer characteristics.

Level of Accuracy and Purpose of the Assessment

Since there are over 2,900 public water sources in Idaho, there is limited time and resources to accomplish the assessments. All assessments must be completed by May of 2003. An in-depth, site-specific investigation of each significant potential source of contamination is not possible. **Therefore, this assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the water system.**

The ultimate goal of the assessment is to provide data to local communities to develop a protection strategy for their drinking water supply system. The Idaho Department of Environmental Quality (DEQ) recognizes that pollution prevention activities generally require less time and money to implement than treatment of a public water supply system once it has been contaminated. DEQ encourages communities to balance resource protection with economic growth and development. The decision as to the amount and types of information necessary to develop a drinking water protection program should be determined by the local community based on its own needs and limitations. Wellhead or drinking water protection is one facet of a comprehensive growth plan, and it can complement ongoing local planning efforts.

Section 2. Conducting the Assessment

General Description of the Source Water Quality

The Capitol Water Corporation (PWS #4010022) drinking water system consists of one active well, three seasonal wells, one standby well, and two wells not in operation. The system serves approximately 7,400 people through 2,492 connections.

In terms of total susceptibility, the seasonal Well #1 rated automatically high for IOCs, VOCs, SOCs, and microbials due to a detection of total coliform (May 1994) and trichloroethylene (December 1998) in the well and the presence of two houses within the well's 50 foot sanitary setback distance. Nitrate was detected within allowable concentrations. No SOCs were detected. If not for the automatic rating, Well #1 would have rated moderate for all four contaminant categories.

Well #2 has been abandoned and is not in operation.

In terms of total susceptibility, the seasonal Well #3 rated moderate for IOCs, automatically high for VOCs, and moderate for SOCs and microbials. The automatically high VOC rating is due to a detection (July 1993) of PCE (tetrachloroethylene or PERC) in the well. Nitrate has been detected in the well within allowable concentrations. No SOCs have ever been detected. If not for the automatic rating, Well #3 would have rated moderate for all four contaminant categories.

In terms of total susceptibility, the seasonal Well #4 rated automatically high for IOCs, VOCs, SOCs, and microbials. The automatic high rating is due to detections (eight times between July 1993 and December 2000) of trichloroethylene in the well, and the presence of Cole Road and a ditch within the 50 foot sanitary setback distance. No SOCs have been detected in the well. Traces of fluoride, barium, and nitrates have been detected, but within allowable limits. Arsenic has been detected in the well in concentrations of 6 parts per billion (ppb), a level greater than one-half of the revised MCL of 10 ppb. In October 2001, the EPA lowered the arsenic MCL from 50 ppb to 10 ppb.

Well #5 has been deleted from the system and is currently not in operation. It is noteworthy that trichloroethylene has been detected six times in the well. The original detection (August 1995) was at 1.5 ppb, and levels have steadily increased to 11.1 ppb (December 1998) and 8.2 ppb (April 1999). The maximum contaminant level (MCL) is 5ppb.

In terms of total susceptibility, the standby Well #6 rated automatically high for IOCs, VOCs, SOCs, and microbials. The automatic high ratings are due to a bike path and garage within the 50 foot sanitary setback distance. In addition, the presence of PERC has been detected (July 1993), and concentrations of Arsenic 26 ppb (2.6 times greater than the revised MCL of 10 ppb) have been detected. No SOCs have been detected. Nitrate has been detected, but at concentrations within the allowable limit.

In terms of total susceptibility, the continuously active Well #7 rated moderate for IOCs, VOCs, SOCs, and microbials. Nitrate was detected in the well, but within allowable concentrations. Arsenic was detected at 10 ppb, concentrations equalling the revised allowable limit.

Defining the Zones of Contribution – Delineation

The delineation process establishes the physical area around a well that will become the focal point of the assessment. The process includes mapping the boundaries of the zone of contribution into time-of-travel (TOT) zones (zones indicating the number of years necessary for a particle of water to reach a well) for water in the aquifer. DEQ contracted with BARR Engineering to perform the delineation using a combination of MODFLOW and a refined analytical element computer model approved by the EPA in determining the 3-year (Zone 1B), 6-year (Zone 2), and 10-year (Zone 3) TOT for water associated with the Boise Valley aquifer in the vicinity of the Capitol Water Corporation. The computer model used site specific data, assimilated by BARR Engineering from a variety of sources including the Capitol Water Corporation, other local area well logs, the Treasure Valley Hydrologic Project, and hydrogeologic reports (detailed below).

Treasure Valley Hydrologic Project Information (Petrich and Urban, 1996; Neely and Crockett, 1998; Petrich et al., 1999)

The “Treasure Valley” is a geopolitical region that includes the lower Boise River sub-basin. The lower Boise River sub-basin begins where the Boise River exits the mountains near the Lucky Peak Reservoir. From Lucky Peak Dam the lower Boise River flows about 64 (river) miles northwestward through the Treasure Valley to its confluence with the Snake River. The Treasure Valley Hydrologic Project area encompasses the lower Boise River area, and extends south to the Snake River. The southern area is included in the study area because of ground water flow from the Lower Boise River basin south toward the Snake River.

Significant amounts of desert area were converted to flood irrigated agriculture beginning in the 1860s. Irrigation led to increases in shallow ground water levels in some areas. The shallow groundwater levels provided an inexpensive and readily obtainable water supply that is used extensively throughout the valley. Much of the population growth in the Treasure Valley has been occurring in previously flood-irrigated agricultural areas, resulting in increased pumpage and a reduction in local aquifer recharge. In addition, irrigation in some areas has become more efficient, reducing the amount of irrigation-related infiltration. Decreasing aquifer recharge and increasing pumpage is thought to be contributing to decreasing ground water levels in some areas.

The Treasure Valley experiences a temperate and arid-to-semiarid climate. Average high temperatures range from about 90°F in summer to 36°F in winter; low temperatures range from about 20°F in winter to about 56°F in summer. The average precipitation ranges from about 8 to 14 inches throughout most of the valley, most of which falls during the colder months.

Major surface water bodies include the Boise River, Lake Lowell, and Lucky Peak Reservoir. The primary source of surface water in the Treasure Valley is precipitation falling in the high elevation area in the Boise River basin upstream of Lucky Peak Dam. Much of the runoff from high elevation areas is stored in three reservoirs: Anderson Ranch Reservoir, Arrowrock Reservoir, and Lucky Peak Reservoir.

The region’s croplands are irrigated primarily with surface water through an extensive network of reservoirs and canals. The first canals were constructed in the 1860’s; there are now over 1,100 miles of major and intermediate canals in the Treasure Valley. The primary sources of the irrigation water in the Treasure Valley include the Boise, Snake, and Payette Rivers. The majority of canals are owned and maintained by canal companies and irrigation districts.

Hydrogeology (from Petrich et al., 1999)

The lower Boise River sub-basin (Treasure Valley) is located within the northwest-trending topographic depression known as the western Snake River Plain. The western Snake River Plain is a relatively flat lowland separating Cretaceous granitic mountains of west-central Idaho from the granitic/volcanic Owyhee mountains in southwestern Idaho. The western Snake River Plain extends from about Twin Falls, Idaho northwestward to Vale, Oregon. The Snake River Plain is about 30 miles wide in the section containing the lower Boise River.

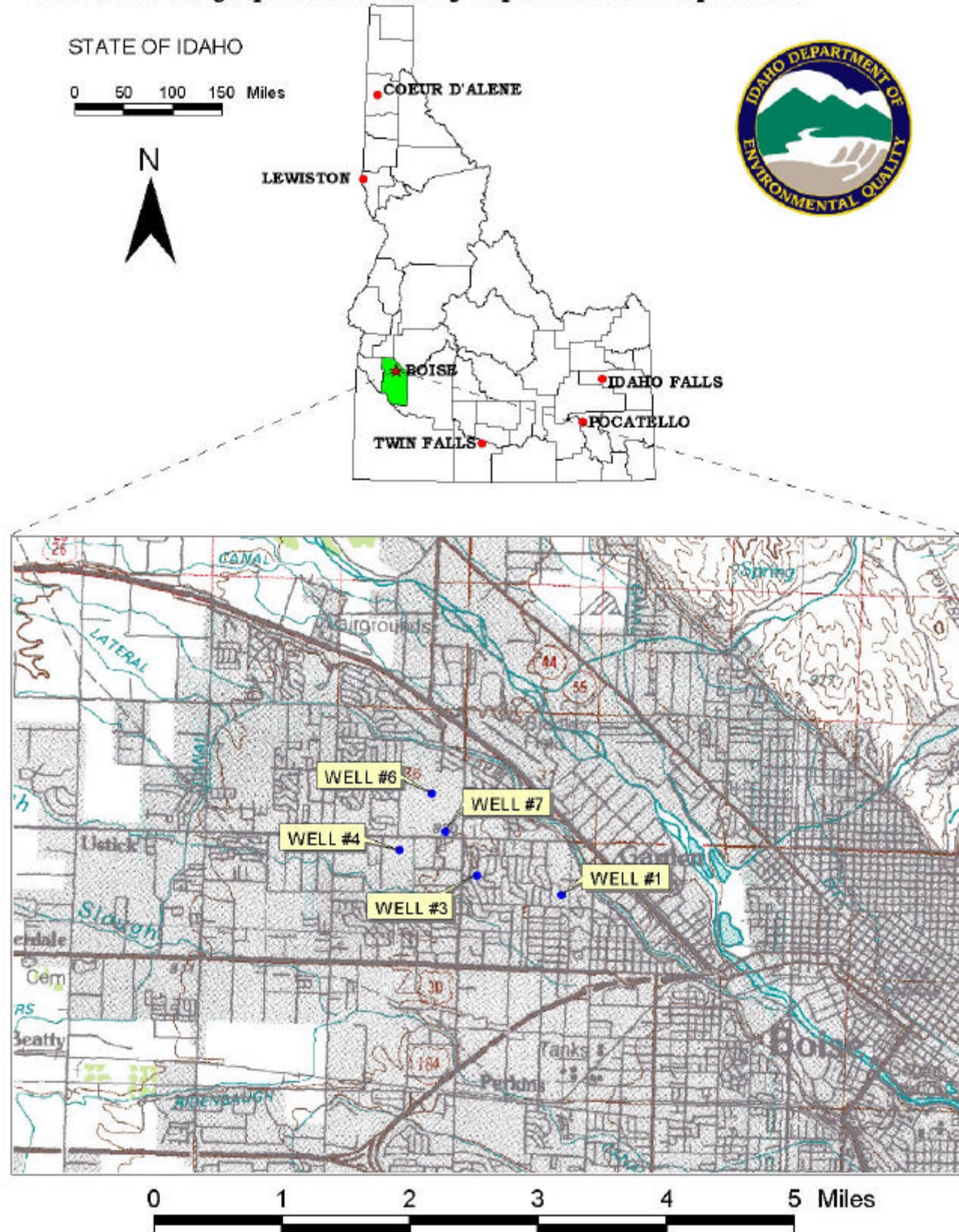
Sediments originating from the surrounding mountains began accumulating on top of thick, basal basalts. Rifting and continued subsidence maintained the lowland topography, leading to the additional accumulation of water and sediments (Othberg, 1994). Basin infilling by sediments and basalt occurred from the late Miocene through the late Pliocene (Othberg, 1994). Incision caused by flowing water in major drainages (e.g., Snake and Boise Rivers) began in the late Pliocene or early Pleistocene, although deposition of coarse sediments continued during Quaternary glaciations (Othberg, 1994).

Several Quaternary basalt flows have been described in the western Snake River Plain, and have been assigned to the upper Snake River Group (Malde, 1991; Malde and Powers, 1962). Lava flowed across portions of the ancestral Snake River Valley (Malde, 1991) in an area that is now south of the Boise River. The Snake River then changed course, incising at its present location along the southern margin of the basalt flows. More recent eruptions (from Kuna Butte and other local sources) spilled lava into the canyon south of Melba. The Snake River has since incised this basalt (Malde, 1991).

The general stratigraphy of the western Snake River Plain consists of (from top to bottom) a thick layer of sedimentary deposits underlain by a thick series of basalt flows, which in turn are underlain by older, tuffaceous sediments and basalt (Malde, 1991; Clemens, 1993). The upper thick zone of sediments (up to approximately 6,000 feet thick) distinguishes the western Snake River Plain from the eastern Snake River Plain, in which the upper section is primarily Quaternary basalt (Wood and Anderson, 1981).

The uppermost sediments and basalt belong to the Pleistocene-age Snake River Group. The Snake River Group consists of terrace sediments, Quaternary alluvium, and Pleistocene basalt flows (Wood and Anderson, 1981). Snake River Group sediments and basalts cover much of the project area (Othberg and Stanford, 1992).

FIGURE 1. Geographic Location of Capitol Water Corporation



The Snake River Group overlies the Idaho Group sediments. The Idaho Group sediments can be divided into two general parts (Wood and Anderson, 1981). The lower Idaho Group contains sediments described as lake and stream deposits of buff white, brown, and gray sand, silt, clay, diatomite, numerous thin beds of vitric ash, and some basaltic tuffs. The upper part of the lower Idaho Group also contains some local, thin, basalt flows. The upper Idaho Group consists of sands, claystones, and siltstones, but differs from the lower Idaho Group in that it contains a greater percentage of coarser-grained materials. The upper Idaho Group are associated with a fluvial/deltaic/lacustrine depositional environment; the lower Idaho Group sediments were deposited in more of a lacustrine/deltaic environment (Wood, 1994).

Wood (1994) identified a buried lacustrine delta within the Idaho Group sediments in the Nampa-Caldwell area. The location of the delta in the middle of the western Snake River Plain suggests that the eastern part of the Boise River basin was delta plain and flood plain at the time of deposition, while the western part was a deep lake environment. The delta probably prograded northwestward into a lake basin 830 feet deep, based upon high resolution seismic reflection data and resistivity log interpretations. The delta-plain and front sediments were shown to be mostly fine-grained, well-sorted sand with thin layers of mud (Wood, 1994). The northwest trend of the delta indicates a sediment source to the southeast, such as where the Snake River flows today (Wood, 1994).

A substantial, laterally extensive layer of clay is found at depths of 300 to 700 feet below ground surface. The clay is important because it represents, in some areas, a significant aquitard separating shallow overlying aquifers from deeper zones. The clay, often described in well logs as having a blue or gray color, has been observed as far west as Parma, and as far east as Boise (although the clay is not found in the extreme eastern portions of the Treasure Valley). The clay varies from a few feet to a few hundred feet in thickness. Although significant layers of clay are present throughout the Idaho Group sediments, individual clay units are not necessarily continuous over large areas. Also, the top of the clay can vary in elevation by up to approximately 200 feet in some locations, such as in an area west of Lake Lowell. In general, sediments above the “blue clay” are coarser-grained than the interbedded sands, silts, and clays underlying the “blue clay.”

The top of the upper Idaho Group is marked in several parts of the Treasure Valley by a widespread fluvial gravel deposit known as the Tenmile Gravels. Tenmile Gravels contain rounded granitic rocks and felsic porphyries originating from the Idaho Batholith to the north and northeast. The Tenmile Gravels range up to 500 feet in thickness along the Tenmile Ridge south of Boise, but are less than 50 feet thick in the Nampa-Caldwell area (Wood and Anderson, 1981).

Aquifer Systems and Hydrogeologic Characteristics

Ground water for municipal, industrial, rural domestic, and irrigation uses in the Treasure Valley is drawn almost entirely from Snake River Group and Idaho Group aquifers. Many domestic wells draw water from shallow aquifers, such as those in the Snake River Group deposits. Larger production wells (for municipal and agricultural uses) draw water from the deeper Idaho Group sediments.

Aquifers contained in the Snake River and Idaho Group sediments comprise shallow and regional ground water flow systems. Shallow aquifers contained in Snake River Group sediments and basalts may belong to local flow systems. Most local flow system recharge stems from irrigation infiltration and channel (e.g., streams or canals) losses. Discharge from shallow, local flow systems often is to local drains or streams. The time from recharge to discharge in shallow flow systems (resident times) probably ranges from days to tens of years.

In contrast, regional ground water flow systems extend much deeper than local flow systems. The Treasure Valley regional flow system begins in the eastern part of the valley, as indicated by downward hydraulic gradients in the Boise Fan sediments described by Squires et al. (1992). Some water also enters the regional flow system as underflow from the Boise Foothills in the northeastern part of the valley. The regional flow system is thought to discharge primarily to the Boise and Snake Rivers in the western and southwestern parts of the valley.

Aquifer material characteristics, material heterogeneity, and structural controls influence Treasure Valley ground water flow. Coarse-grained materials (e.g., sand and gravel) in upper zones are more capable of transmitting ground water than fine-grained sediments (e.g., silt and clay). Clay and silt in the Snake River sediments can restrict vertical and/or horizontal ground water movement. Perched aquifers are created when fine-grained lenses impede downward vertical flow. A distinctive clay layer, sometimes referred to as "blue clay," is present over large portions of the valley. The clay is absent in the easternmost portions of the lower Boise River Basin, but can reach a thickness of more than 200 feet toward the central and western portions of the basin.

Sequences of interbedded sand, silt, and clay, such as the Deer Flat Surface and the upper portion of the Glens Ferry Formation of the upper Idaho Group in the Nampa-Caldwell area, are the major water-producing aquifers in a large part of Canyon County (Anderson and Wood, 1981). The coarse-grained sediments in this zone produce water in excess of 2,000 gallons per minute (gpm).

The delineated source water assessment areas for the Capitol Water Corporation can best be described as southeast trending elongated teardrops approximately 5 miles long and between 1.25 and 2.5 miles wide that extend to the vicinity of Broadway and Interstate 84. The actual data used by BARR Engineering in determining the source water assessment delineation areas are available from DEQ upon request.

Identifying Potential Sources of Contamination

A potential source of contamination is defined as any facility or activity that stores, uses, or produces, as a product or by-product, the contaminants regulated under the Safe Drinking Water Act and has a sufficient likelihood of releasing such contaminants at levels that could pose a concern relative to drinking water sources. The goal of the inventory process is to locate and describe those facilities, land uses, and environmental conditions that are potential sources of ground water contamination. The locations of potential sources of contamination within the delineation areas were obtained by field surveys conducted by DEQ and from available databases.

Land use within the immediate area of the Capitol Water Corporation wellheads consists of residential property and commercial uses, which was historically irrigated agriculture.

It is important to understand that a release may never occur from a potential source of contamination provided they are using best management practices. Many potential sources of contamination are regulated at the federal level, state level, or both, to reduce the risk of release. Therefore, when a business, facility, or property is identified as a potential contaminant source, this should not be interpreted to mean that this business, facility, or property is in violation of any local, state, or federal environmental law or regulation. What it does mean is that the potential for contamination exists due to the nature of the business, industry, or operation. There are a number of methods that water systems can use to work cooperatively with potential sources of contamination, including educational visits and

inspections of stored materials. Many owners of such facilities may not even be aware that they are located near a public water supply well.

Contaminant Source Inventory Process

A two-phased contaminant inventory of the study area was conducted in Januar – March 2002. The first phase involved identifying and documenting potential contaminant sources within the Capitol Water Corporation source water assessment areas through the use of computer databases and Geographic Information System (GIS) maps developed by DEQ. The second, or enhanced, phase of the contaminant inventory involved contacting the operator to identify and add any additional potential sources in the area.

The delineated source water areas for the wells (Appendix A: Table 2-6) contains up to 520 potential contaminant sources per well. Sources include underground storage tanks, gas stations, auto mechanics, waste disposal centers, car washes, laboratories, and many other service related companies with contaminant release potentials.

Section 3. Susceptibility Analyses

The water system's susceptibility to contamination was ranked as high, moderate, or low risk according to the following considerations: hydrologic characteristics, physical integrity of the well, land use characteristics, and potentially significant contaminant sources. The susceptibility rankings are specific to a particular potential contaminant or category of contaminants. Therefore, a high susceptibility rating relative to one potential contaminant does not mean that the water system is at the same risk for all other potential contaminants. The relative ranking that is derived for each well is a qualitative, screening-level step that, in many cases, uses generalized assumptions and best professional judgement. Appendix B contains the susceptibility analysis worksheets. The following summaries describe the rationale for the susceptibility ranking.

Hydrologic Sensitivity

The hydrologic sensitivity of a well is dependent upon four factors: the surface soil composition, the material in the vadose zone (between the land surface and the water table), the depth to first ground water, and the presence of a 50-foot thick fine-grained zone (aquitard) above the producing zone of the well. Slowly draining soils such as silt and clay typically are more protective of ground water than coarse-grained soils such as sand and gravel. Similarly, fine-grained sediments in the subsurface and a water depth of more than 300 feet protect the ground water from contamination.

Well #1 rated high susceptibility. A well log was not available during the analysis, and based on information from the other wells, Well #1 might have rated lower if more information was available. Regional soils are moderately to well-drained, the vadose zone has high permeability, the depth to first water is less than 300 feet, and it is unknown if an aquitard is present.

Well #3, Well #4, Well #6, and Well #7 all rated moderate susceptibility. Regional soils are moderately to well drained, the vadose zone is of a permeable nature, the depth to first water is less than 300 feet, and an aquitard is present to reduce the downward migration of potential contaminants.

Well Construction

Well construction directly affects the ability of the well to protect the aquifer from contaminants. System construction scores are reduced when information shows that potential contaminants will have a more difficult time reaching the intake of the well. Lower scores imply a system is less vulnerable to contamination. For example, if the well casing and annular seal both extend into a low permeability unit, then the possibility of contamination is reduced and the system construction score goes down. If the highest production interval is more than 100 feet below the water table, then the system is considered to have better buffering capacity. If the wellhead and surface seal are maintained to standards, as outlined in sanitary surveys, then contamination down the well bore is less likely. If the well is protected from surface flooding and is outside the 100-year floodplain, then contamination from surface events is reduced. A sanitary survey was conducted in 1995.

Well #1 rated high for system construction. The drill date was not available, but the well's 8 inch casing was deepened in August 1960 from 420 feet to 609 feet. As no well log was available, it is unknown if the well meets current standards or if the casing and annular seal extend to low permeability units. The highest production of water is more than 100 feet below static water level. The well is located within the 100 year floodplain.

Well #3 rated high for system construction. The well is cased into a blue shale at a depth of 392 feet and screened the next 100 feet to its total depth of 492 feet. The casing wall is thinner than current regulations allow. It is unknown if the annular seal extends at least 18 feet and into an impermeable layer. It is also unknown if the wellhead and surface seal are maintained. The well is located inside the 100-year floodplain. The highest production of water is more than 100 feet below static water level.

Well #4 rated moderate for system construction. The well is 783 feet deep and sealed 136 feet into blue clay. Four intervals of screens were installed between 348 feet and 751 feet. It is unknown if the well meets current construction standards or if the wellhead and surface seal are maintained. The casing and annular seals both extend into low permeability units. The highest production comes from more than 100 feet below the static water depth. The well is located in the 100-year floodplain.

Well #6 rated moderate for system construction. The well is 585 feet deep and sealed 65 feet into gray clay. The well is located in the 100-year floodplain and the casing does not extend into a unit of low permeability. It is unknown if the wellhead and surface seal are maintained. The well does not meet current construction standards. The highest production of water is more than 100 feet below static water level.

Well #7 rated moderate for system construction. The well is 302 feet deep and cased to 296 feet. The well is screened from 188 feet to 286 feet. It is unknown if the wellhead and surface seal are maintained. Casing thicknesses meet current standards. The casing and annular seal extend to low permeability units. The highest production is more than 100 feet below static water level. The well is located within the 100-year floodplain.

The Idaho Department of Water Resources *Well Construction Standards Rules* (1993) require all PWSs to follow DEQ standards as well. IDAPA 58.01.08.550 requires that PWSs follow the *Recommended Standards for Water Works* (1997) during construction. Some of the regulations deal with screening requirements, aquifer pump tests, use of a downturned casing vent, and thickness of casing. Table 2 of the *Recommended Standards for Water Works* (1997) lists the required steel casing thickness for various diameter wells. Twelve to twenty-inch diameter wells require a casing thickness of 0.375-inches, Eight-inch diameter wells require a casing thickness of 0.322 inches, and five-inch diameter wells require a casing thickness of 0.280 inches. Since only Well #7 was compliant, the final well construction scores of the other wells were automatically increased one point.

Potential Contaminant Source and Land Use

Ratings for IOCs (i.e. nitrates, arsenic), VOCs (i.e. petroleum products), SOC (i.e. pesticides), and microbial contaminants (i.e. bacteria) are outlined in Table 1 below.

Summary of Capitol Water Corporation Land Use Scores

Land use scores are divided into four categories, IOCs (i.e. nitrates, arsenic), VOCs (i.e. petroleum products, chlorinated solvents), and SOC (i.e. pesticides), and low for microbial contaminants (i.e. bacteria). The number and location of potential contaminant sources within the delineation contributed to the land use scores

Well #1 rated moderate for IOCs, high for VOCs, high for SOC, and low for microbials. Well #3 rated moderate for IOCs, high for VOCs, moderate for SOC, and low for microbials. Well #4 rated moderate for IOCs, moderate for VOCs, moderate for SOC, and low for microbials. Well #6 rated low for all four types of contaminants. Well #7 rated high for IOCs, high for VOCs, moderate for SOC, and low for microbials.

Final Susceptibility Ranking

A detection above a drinking water standard MCL, any detection of a VOC or SOC, or a detection of total coliform bacteria or fecal coliform bacteria at the wellhead will automatically give a high susceptibility rating to a well despite the land use of the area because a pathway for contamination already exists. Additionally, potential contaminant sources within 50 feet of a wellhead will automatically lead to a high susceptibility rating. In this case, most of the wells had automatic high ratings due either to TCE, PCE, or total coliform detections in the well, or infringements upon the 50-foot sanitary setback distance. Hydrologic sensitivity and system construction scores are heavily weighted in the final scores. Having multiple potential contaminant sources in the 0- to 3-year time of travel zone (Zone 1B) and agricultural land contribute greatly to the overall ranking.

Table 1. Summary of Capitol Water Corporation Susceptibility Evaluation

Well	Susceptibility Scores ¹									
	Hydrologic Sensitivity	Contaminant Inventory				System Construction	Final Susceptibility Ranking			
		IOC	VOC	SOC	Microbials		IOC	VOC	SOC	Microbials
Well #1	H	M	H	H	L	H	H*	H*	H*	H*
Well #3	M	M	H	M	L	H	H	H*	H	H
Well #4	M	M	M	M	L	M	H*	H*	H*	H*
Well #6	M	L	L	L	L	M	M	H*	M	M
Well #7	M	H	H	M	L	M	M	M	M	M

¹H = High Susceptibility, M = Moderate Susceptibility, L = Low Susceptibility,

IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical

H* = Well automatically scored high due to 50 foot sanitary setback distance infringement, VOC and/or microbial detection in well

Susceptibility Summary

The Capitol Water Corporation (PWS #4010022) drinking water system consists of one active well, three seasonal wells, one standby well, and two wells not in operation. The system serves approximately 7,400 people through 2,492 connections.

In terms of total susceptibility, the seasonal Well #1 rated automatically high for IOCs, VOCs, SOCs, and microbials due to a detection of total coliform (May 1994) and trichloroethylene (December 1998) in the well and the presence of two houses within the well's 50 foot sanitary setback distance. Nitrate was detected within allowable concentrations. No SOCs were detected. If not for the automatic rating, Well #1 would have rated moderate for all four contaminant categories.

Well #2 has been abandoned and is not in operation.

In terms of total susceptibility, the seasonal Well #3 rated moderate for IOCs, automatically high for VOCs, and moderate for SOCs and microbials. The automatically high VOC rating is due to a detection (July 1993) of PCE (tetrachloroethylene or PERC) in the well. Nitrate has been detected in the well within allowable concentrations. No SOCs have ever been detected. If not for the automatic rating, Well #3 would have rated moderate for all four contaminant categories.

In terms of total susceptibility, the seasonal Well #4 rated automatically high for IOCs, VOCs, SOCs, and microbials. The automatic high rating is due to detections (eight times between July 1993 and December 2000) of trichloroethylene in the well, and the presence of Cole Road and a ditch within the 50 foot sanitary setback distance. No SOCs have been detected in the well. Traces of fluoride, barium, and nitrates have been detected, but within allowable limits. Arsenic has been detected in the well in concentrations of 6 parts per billion (ppb), a level greater than one-half of the revised MCL of 10 ppb. In October 2001, the EPA lowered the arsenic MCL from 50 ppb to 10 ppb.

Well #5 has been deleted from the system and is currently not in operation. It is noteworthy that trichloroethylene has been detected six times in the well. The original detection (August 1995) was at 1.5 ppb, and levels have steadily increased to 11.1 ppb (December 1998) and 8.2 ppb (April 1999). The maximum contaminant level (MCL) is 5ppb.

In terms of total susceptibility, the standby Well #6 rated automatically high for IOCs, VOCs, SOCs, and microbials. The automatic high ratings are due to a bike path and garage within the 50 foot sanitary setback distance. In addition, the presence of PERC has been detected (July 1993), and concentrations of Arsenic 26 ppb (2.6 times greater than the revised MCL of 10 ppb) have been detected. No SOCs have been detected. Nitrate has been detected, but at concentrations within the allowable limit.

In terms of total susceptibility, the continuously active Well #7 rated moderate for IOCs, VOCs, SOCs, and microbials. Nitrate was detected in the well, but within allowable concentrations. Arsenic was detected at 10 ppb, concentrations equalling the revised allowable limit.

Section 4. Options for Drinking Water Protection

The susceptibility assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what the susceptibility ranking a source receives, protection is always important. Whether the source is currently located in a “pristine” area or an area with numerous industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources.

An effective drinking water protection program is tailored to the particular local drinking water protection area. A community with a fully developed source water protection program will incorporate many strategies. For Capitol Water Corporation, drinking water protection activities should first focus on correcting any deficiencies outlined in the sanitary survey. Actions should be taken to keep a 50-foot radius circle clear around the wellhead. Any spills from the major transportation corridors should be carefully monitored and dealt with. As much of the designated protection area is outside the direct jurisdiction of Capitol Water Corporation, making collaboration and partnerships with state and local agencies and industry groups are critical to the success of drinking water protection. The well should maintain sanitary standards regarding wellhead protection.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan as the delineation contains some urban and residential land uses. Public education topics could include proper lawn and garden care practices, household hazardous waste disposal methods, proper care and maintenance of septic systems, and the importance of water conservation to name but a few. There are multiple resources available to help communities implement protection programs, including the Drinking Water Academy of the EPA. As there are major transportation corridors through the delineations, the Idaho Department of Transportation should be involved in protection activities. Drinking water protection activities for agriculture should be coordinated with the Idaho State Department of Agriculture, the Soil Conservation Commission, the Ada Soil Conservation District, and the Natural Resources Conservation Service.

A community must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (i.e. zoning, permitting) or non-regulatory in nature (i.e. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Boise Regional Office of the Idaho DEQ or the Idaho Rural Water Association.

Assistance

Public water supplies and others may call the following DEQ offices with questions about this assessment and to request assistance with developing and implementing a local protection plan. In addition, draft protection plans may be submitted to the DEQ office for preliminary review and comments.

Boise Regional DEQ Office (208) 373-0550

State DEQ Office (208) 373-0502

Website: <http://www.deq.state.id.us>

Water suppliers serving fewer than 10,000 persons may contact Melinda Harper, Idaho Rural Water Association, at (208) 373-7001 (mharper@idahoruralwater.com) for assistance with drinking water protection (formerly wellhead protection) strategies.

POTENTIAL CONTAMINANT INVENTORY

LIST OF ACRONYMS AND DEFINITIONS

AST (Aboveground Storage Tanks) – Sites with aboveground storage tanks.

Business Mailing List – This list contains potential contaminant sites identified through a yellow pages database search of standard industry codes (SIC).

CERCLIS – This includes sites considered for listing under the **Comprehensive Environmental Response Compensation and Liability Act (CERCLA)**. CERCLA, more commonly known as ASuperfund® is designed to clean up hazardous waste sites that are on the national priority list (NPL).

Cyanide Site – DEQ permitted and known historical sites/facilities using cyanide.

Dairy – Sites included in the primary contaminant source inventory represent those facilities regulated by Idaho State Department of Agriculture (ISDA) and may range from a few head to several thousand head of milking cows.

Deep Injection Well – Injection wells regulated under the Idaho Department of Water Resources generally for the disposal of stormwater runoff or agricultural field drainage.

Enhanced Inventory – Enhanced inventory locations are potential contaminant source sites added by the water system. These can include new sites not captured during the primary contaminant inventory, or corrected locations for sites not properly located during the primary contaminant inventory. Enhanced inventory sites can also include miscellaneous sites added by the Idaho Department of Environmental Quality (DEQ) during the primary contaminant inventory.

Floodplain – This is a coverage of the 100year floodplains.

Group 1 Sites – These are sites that show elevated levels of contaminants and are not within the priority one areas.

Inorganic Priority Area – Priority one areas where greater than 25% of the wells/springs show constituents higher than primary standards or other health standards.

Landfill – Areas of open and closed municipal and non-municipal landfills.

LUST (Leaking Underground Storage Tank) – Potential contaminant source sites associated with leaking underground storage tanks as regulated under RCRA.

Mines and Quarries – Mines and quarries permitted through the Idaho Department of Lands.)

Nitrate Priority Area – Area where greater than 25% of wells/springs show nitrate values above 5mg/l.

NPDES (National Pollutant Discharge Elimination System)

– Sites with NPDES permits. The Clean Water Act requires that any discharge of a pollutant to waters of the United States from a point source must be authorized by an NPDES permit.

Organic Priority Areas – These are any areas where greater than 25 % of wells/springs show levels greater than 1% of the primary standard or other health standards.

Recharge Point – This includes active, proposed, and possible recharge sites on the Snake River Plain.

RICRIS – Site regulated under **Resource Conservation Recovery Act (RCRA)**. RCRA is commonly associated with the cradle to grave management approach for generation, storage, and disposal of hazardous wastes.

SARA Tier II (Superfund Amendments and Reauthorization Act Tier II Facilities) – These sites store certain types and amounts of hazardous materials and must be identified under the Community Right to Know Act.

Toxic Release Inventory (TRI) – The toxic release inventory list was developed as part of the Emergency Planning and Community Right to Know (Community Right to Know) Act passed in 1986. The Community Right to Know Act requires the reporting of any release of a chemical found on the TRI list.

UST (Underground Storage Tank) – Potential contaminant source sites associated with underground storage tanks regulated as regulated under RCRA.

Wastewater Land Applications Sites – These are areas where the land application of municipal or industrial wastewater is permitted by DEQ.

Wellheads – These are drinking water well locations regulated under the Safe Drinking Water Act. They are not treated as potential contaminant sources.

NOTE: Many of the potential contaminant sources were located using a geocoding program where mailing addresses are used to locate a facility. Field verification of potential contaminant sources is an important element of an enhanced inventory.

Where possible, a list of potential contaminant sites unable to be located with geocoding will be provided to water systems to determine if the potential contaminant sources are located within the source water assessment area.

References Cited

- Anderson, J.E. and Wood, S.H., 1981. Geological, Hydrological Geochemical and Geophysical Investigations of the Nampa-Caldwell and Adjacent Areas, Southwestern Idaho. Chapter 3, Geohydrology, In: Mitchell, J. C., ed., Geothermal Investigations in Idaho, Part 11: Idaho Department of Water Resources, Water Information Bulletin 30: p. 33-42.
- Clemens, D.M., 1993. Volcanic stratigraphy and tectonic development, Western Snake River Plain, Idaho. M.S. Thesis, Arizona State University.
- Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers, 1997. "Recommended Standards for Water Works."
- Idaho Department of Agriculture, 1998. Unpublished Data.
- Idaho Department of Environmental Quality, 1995. Groundwater Under Direct Influence (GWUDI) Field Survey Report.
- Idaho Department of Environmental Quality, 1997. Design Standards for Public Drinking Water Systems. IDAPA 58.01.08.550.01.
- Idaho Department of Water Resources, 1993. Administrative Rules of the Idaho Water Resource Board: Well Construction Standards Rules. IDAPA 37.03.09.
- Malde, H.E., 1991. Quaternary geology and structural history of the Snake River Plain, Idaho and Oregon. In: The Geology of North America, Quaternary Nonglacial Geology: Conterminous U.S., Vol. K-2, 252-281 pp.
- Malde, H.E. and Powers, H.A., 1962. Upper Cenozoic stratigraphy of Western Snake River Plain. Geological Society of America Bulletin, 73: 1197-1220.
- Neely, K.W. and J.K. Crockett, 1998. "Ground Water Quality Characterization and Initial Trend Analyses for the Treasure Valley Shallow and Deep Hydrogeologic Subareas," Idaho Department of Water Resources, Water Information Bulletin No. 50, Part 3.
- Othberg, K.L., 1994. Geology and geomorphology of the Boise Valley and adjoining areas, western Snake River Plain, Idaho. Idaho Geological Survey Bulletin 29: 54 pp.
- Othberg, K.L. and Stanford, L., 1992. Geologic map of the Boise Valley and adjoining area, Western Snake River Plain, Idaho. Idaho Geological Survey.
- Petrich, C.R. and S.M. Urban, 1996. "Treasure Valley Hydrologic Project Background – Draft," September, 1996.
- Petrich, C.R. and J.H. Hutchings (IWRRI), S.M. Urban and R.A. Carlson (IDWR), 1999. "Progress Report on the Characterization of Treasure Valley Ground Water Resources – Draft," prepared for and in cooperation with the Idaho Department of Water Resources, June 30, 1999.

- Squires, E., Wood, S.H. and Osiensky, J.L., 1992. Hydrogeologic Framework of the Boise Aquifer System, Ada County, Idaho, Research Technical Completion Report, Idaho Water Resources Research Institute, University of Idaho. 114 pp.
- Wood, S.H., 1994. Seismic expression and geological significance of a lacustrine delta in Neogene deposits of the Western Snake River Plain, Idaho. AAPG Bulletin, 1(January): p. 102-121.
- Wood, S.H. and Anderson, J.E., 1981. Part 11: Geological, hydrological, and geochemical and Geophysical investigations of the Nampa-Caldwell and adjacent areas, southwestern Idaho. In: J.C. Mitchell (Editor), Geothermal investigations in Idaho. Idaho Department of Water Resources.
- Wuolo, R.W., J. Wittman, and D.M. Reynolds, 2001. "Summary Report: Delineation of Public Drinking Water Sources for the Source Water Assessment Program: Boise Valley and Mountain Home Plateau," BARR, Minneapolis, August 2001.

Attachment A

Potential Contaminant Inventories

Table 2. Capitol Water Corporation Well #1, Potential Contaminant Inventory

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
1,19	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Commercial; Closed	0 - 3 YR	Database Search	VOC, SOC
2,13	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Commercial; Closed	0 - 3 YR	Database Search	VOC, SOC
3,14,134	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Truck/Transporter; Closed; Storage-Household & Commercial	0 - 3 YR	Database Search	IOC, VOC, SOC
4,151	LUST site, Site Cleanup Completed, Impact: Unknown; RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
5,29	LUST site, Site Cleanup Completed, Impact: GROUND WATER; UST site, Gas Station; Closed	0 - 3 YR	Database Search	VOC, SOC
6,30	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Gas Station	0 - 3 YR	Database Search	VOC, SOC
7,34	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Commercial; Closed	0 - 3 YR	Database Search	VOC, SOC
8	LUST site, Site Cleanup Incomplete, Impact: Unknown	0 - 3 YR	Database Search	VOC, SOC
9,167	SARA; UST site, Truck/Transporter; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
10	UST site, Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
11,118,162	UST site, Other, Closed; Recycling Centers (Wholesale); RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
15,115	UST site, Other, Closed; Automobile Detail & Clean-Up Service	0 - 3 YR	Database Search	IOC, VOC, SOC
16	UST site, Utilities; Closed	0 - 3 YR	Database Search	VOC, SOC
17	UST site, State Government; Closed	0 - 3 YR	Database Search	VOC, SOC
18	UST site, Gas Station; Closed	0 - 3 YR	Database Search	VOC, SOC
20	UST site, Gas Station; Open	0 - 3 YR	Database Search	VOC, SOC
21	UST site, Not Listed; Closed	0 - 3 YR	Database Search	VOC, SOC
22,112	UST site, Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
23	UST site, Not Listed; Closed	0 - 3 YR	Database Search	VOC, SOC
24	UST site, Not Listed; Closed	0 - 3 YR	Database Search	VOC, SOC
25	UST site, Gas Station; Open	0 - 3 YR	Database Search	SOCVOC
26	UST site, Not Listed; Closed	0 - 3 YR	Database Search	VOC, SOC
27	UST site, Other; Closed	0 - 3 YR	Database Search	VOC, SOC
28	UST site, Commercial; Closed	0 - 3 YR	Database Search	VOC, SOC
31,48	UST site, Other; Closed, Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
32	UST site, Other; Closed	0 - 3 YR	Database Search	VOC, SOC
33,98	UST site, Commercial, Closed; Electric Equipment & Supplies-Wholesale	0 - 3 YR	Database Search	IOC, VOC, SOC
35	Marking Devices (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC, SOC
36	Photographers	0 - 3 YR	Database Search	IOC, VOC
37	Funeral Directors	0 - 3 YR	Database Search	IOC, SOC
38	Laboratories-Dental	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
39	Envelopes-Manufacturers	0 - 3 YR	Database Search	IOC, VOC, SOC
40	Signs (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC, SOC
41	Printers	0 - 3 YR	Database Search	IOC, VOC
42	Automobile & Truck Brokers	0 - 3 YR	Database Search	IOC, VOC, SOC
43	Automobile Dealers-Used Cars	0 - 3 YR	Database Search	IOC, VOC, SOC
44	Cleaners	0 - 3 YR	Database Search	VOC
45	Painters	0 - 3 YR	Database Search	IOC, VOC, SOC
46	Sewage Disposal Systems	0 - 3 YR	Database Search	IOC, Microbials
47	Taxicabs	0 - 3 YR	Database Search	VOC, SOC
49	Paint-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
50	Automobile Dealers-Used Cars	0 - 3 YR	Database Search	IOC, VOC, SOC
51	Stone-Natural	0 - 3 YR	Database Search	IOC, VOC, SOC
52	Automobile Parts & Supplies-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
53	Signs (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC, SOC
54,150	RCRA site; Automobile Body-Repairing & Painting	0 - 3 YR	Database Search	IOC, VOC, SOC
55	Printers	0 - 3 YR	Database Search	IOC, VOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
56	Fire Protection Equipment & Supplies-	0 - 3 YR	Database Search	VOC, SOC
57	Carpet & Rug Cleaners	0 - 3 YR	Database Search	IOC, VOC, SOC
58,174	AST; Pipe Line Companies	0 - 3 YR	Database Search	IOC, VOC, SOC
59	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
60	Tire-Dealers-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
61	Trucking-Heavy Hauling	0 - 3 YR	Database Search	VOC, SOC
62	Typesetting (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC
63	Delivery Service	0 - 3 YR	Database Search	IOC, VOC, SOC
64	Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
65	Optical Goods-Manufacturers	0 - 3 YR	Database Search	IOC, VOC
66	Electric Equipment & Supplies-Wholesale	0 - 3 YR	Database Search	IOC, VOC, SOC
67	State Government-Transportation	0 - 3 YR	Database Search	IOC, VOC, SOC
68	Printers	0 - 3 YR	Database Search	IOC, VOC
69	Sheet Metal Work Contractors	0 - 3 YR	Database Search	IOC, VOC
70	Typesetting (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC
71	Photographers-Portrait	0 - 3 YR	Database Search	IOC, VOC
72	Filters-Liquid (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC, SOC
73	Electric Equipment & Supplies-Wholesale	0 - 3 YR	Database Search	IOC, VOC, SOC
74	Lighting-Manufacturers	0 - 3 YR	Database Search	VOC, SOC
75	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
76,77	Storage-Household & Commercial	0 - 3 YR	Database Search	IOC, VOC, SOC
78	Bicycles-Dealers	0 - 3 YR	Database Search	IOC, VOC, SOC
79	Veterinarians	0 - 3 YR	Database Search	IOC, SOC, Microbials
80	Rental Service-Stores & Yards	0 - 3 YR	Database Search	IOC, VOC, SOC
81	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
82	Industrial Equipment & Supplies	0 - 3 YR	Database Search	IOC, VOC, SOC
83	Printers	0 - 3 YR	Database Search	IOC, VOC
84	Publishers-Periodical	0 - 3 YR	Database Search	IOC, VOC
85	Carpet & Rug Cleaners	0 - 3 YR	Database Search	IOC, VOC, SOC
86	Color Sprtns-Offset Photo Engraving	0 - 3 YR	Database Search	IOC, VOC
87	Floor Refinishing & Resurfacing	0 - 3 YR	Database Search	IOC, VOC, SOC
88,89	Printers; Business Forms	0 - 3 YR	Database Search	IOC, VOC
90	Barbers Equipment & Supplies (Wholesale)	0 - 3 YR	Database Search	IOC, VOC, SOC
91	Photographic Equip & Supplies-Retail	0 - 3 YR	Database Search	IOC, VOC
92	Lighting Fixtures-Manufacturers	0 - 3 YR	Database Search	IOC, VOC
93	Microfilming Service Equipment	0 - 3 YR	Database Search	IOC, VOC
94	Bicycles-Dealers	0 - 3 YR	Database Search	IOC, VOC, SOC
95	Screen Printing	0 - 3 YR	Database Search	IOC, VOC
96,170	Newspapers (Publishers); SARA	0 - 3 YR	Database Search	IOC, VOC
97	Lumber-Manufacturers	0 - 3 YR	Database Search	IOC, VOC, SOC
99	Manufacturers	0 - 3 YR	Database Search	IOC, Microbials
100	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
101	Automobile Machine Shop Service	0 - 3 YR	Database Search	IOC, VOC, SOC
102,156	Tools-Electric (Wholesale); RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
103	Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
104	Artists-Commercial	0 - 3 YR	Database Search	IOC, VOC
105,106	Photographers	0 - 3 YR	Database Search	IOC, VOC
107,157	Printers; RCRA site	0 - 3 YR	Database Search	IOC, VOC
108,159	Cleaners; RCRA site	0 - 3 YR	Database Search	VOC
109	Ranches	0 - 3 YR	Database Search	IOC, Microbials
110	Printers	0 - 3 YR	Database Search	IOC, VOC
111	Landscaping Equipment & Supplies	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
113	Plumbing Fixtures & Supplies-Wholesale	0 - 3 YR	Database Search	IOC, VOC, SOC
114,172	Oil Additives-Distributors; SARA, Petroleum bulk stations	0 - 3 YR	Database Search	IOC, VOC, SOC
116	Printers	0 - 3 YR	Database Search	IOC, VOC
117	Veterinarians	0 - 3 YR	Database Search	IOC, SOC, Microbials
119	Laboratories-Dental	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
120	Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
121	Plumbing Fixtures & Supplies-Wholesale	0 - 3 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
122	Laboratories-Research & Development	0 - 3 YR	Database Search	IOC, VOC, SOC
123	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
124	Paint-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
125	Electric Equipment-Manufacturers	0 - 3 YR	Database Search	IOC, VOC
126	Photo Finishing-Retail	0 - 3 YR	Database Search	IOC, VOC
127,168	SARA, Gasoline service stations	0 - 3 YR	Database Search	IOC, VOC, SOC
128	Storage-Household & Commercial	0 - 3 YR	Database Search	IOC, VOC, SOC
129	Home Improvements	0 - 3 YR	Database Search	IOC, VOC, SOC
130	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
131	Nurserymen	0 - 3 YR	Database Search	IOC, SOC
132	Veterinarians	0 - 3 YR	Database Search	IOC, SOC, Microbials
133	Labels-Paper (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC, SOC
135	Photo Finishing-Retail	0 - 3 YR	Database Search	IOC, VOC
136	Air Courier Services	0 - 3 YR	Database Search	IOC, VOC, SOC
137	Truck Renting & Leasing	0 - 3 YR	Database Search	IOC, SOC
138	Fertilizers (Wholesale)	0 - 3 YR	Database Search	IOC, SOC
139	Federal Government-National Security	0 - 3 YR	Database Search	IOC, VOC, SOC
140	Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
141	Water Works Equipment & Supplies	0 - 3 YR	Database Search	IOC, VOC, SOC
142	Painters	0 - 3 YR	Database Search	IOC, VOC, SOC
143	Electric Equipment & Supplies-Wholesale	0 - 3 YR	Database Search	IOC, VOC
144	Sporting Goods-Manufacturers	0 - 3 YR	Database Search	IOC, VOC, SOC
145	Trucking-Motor Freight	0 - 3 YR	Database Search	VOC, SOC
146	Controls Control Sys/Regulators	0 - 3 YR	Database Search	IOC, VOC
148	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
149	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
152	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
153	RCRA site	0 - 3 YR	Database Search	IOC, SOC
154	RCRA site	0 - 3 YR	Database Search	IOC, SOC
155	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
158	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
160,12,147	RCRA site; UST site, Commercial, Open; TRI site, No additional data	0 - 3 YR	Database Search	IOC, VOC, SOC
161	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
163	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
164	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
165	RCRA site	0 - 3 YR	Database Search	IOC, VOC
166	RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
169	SARA, Gasoline service stations	0 - 3 YR	Database Search	IOC, VOC, SOC
171	SARA, Petrol & Pet Prod wholesalers	0 - 3 YR	Database Search	IOC, VOC, SOC
173	SARA, liquid petroleum gas dealer	0 - 3 YR	Database Search	IOC, VOC, SOC
175	group1	0 - 3 YR	Database Search	IOC, VOC, SOC
176	group1	0 - 3 YR	Database Search	IOC, VOC, SOC
177,226,338	LUST site,Site Cleanup Incomplete , Impact: Unknown; RCRA site;Trucking-Motor Freight	3 - 6 YR	Database Search	IOC, VOC, SOC
178	LUST site,Site Cleanup Completed , Impact: GROUND WATER	3 - 6 YR	Database Search	IOC, VOC, SOC
179	LUST site, Site Cleanup Incomplete , Impact: Unknown	3 - 6 YR	Database Search	IOC, VOC, SOC
180,190,191,252	LUST site, Site Cleanup Completed , Impact: Unknown; LUST site,Site Cleanup Completed , Impact: GROUND WATER; UST site,Truck/Transporter; Open; Buses-Charter & Rental	3 - 6 YR	Database Search	IOC, VOC, SOC
181	LUST site, Site Cleanup Completed , Impact: Unknown	3 - 6 YR	Database Search	IOC
182,195,298	LUST site,Site Cleanup Completed , Impact: GROUND WATER; UST site, Local Government; Closed: Cemeteries	3 - 6 YR	Database Search	IOC, SOC
183	LUST site, Site Cleanup Completed , Impact: GROUND WATER	3 - 6 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
184,197	LUST site, Site Cleanup Completed , Impact: GROUND WATER; UST site, Truck/Transporter; Closed	3 - 6 YR	Database Search	VOC, SOC
185	LUST site, Site Cleanup Completed , Impact: Unknown	3 - 6 YR	Database Search	VOC, SOC
186,202	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Gas Station; Closed	3 - 6 YR	Database Search	VOC, SOC
187,219,345	LUST site, Site Cleanup Completed , Impact: GROUND WATER; UST site, Gas Station; Closed; RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
188,206,262,343	LUST site, Site Cleanup Completed , Impact: Unknown; UST site,Commercial; Closed; RCRA site; Service Station Equipment (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
189,212	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Industrial; Closed	3 - 6 YR	Database Search	VOC, SOC
192	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
193	UST site,Other; Closed	3 - 6 YR	Database Search	VOC, SOC
194	UST site,Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
196	UST site,Local Government; Closed	3 - 6 YR	Database Search	VOC, SOC
198	UST site,Truck/Transporter; Closed	3 - 6 YR	Database Search	VOC, SOC
199	UST site,Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
200	UST site,Commercial; Closed	3 - 6 YR	Database Search	VOC, SOC
201	UST site,Gas Station; Closed	3 - 6 YR	Database Search	VOC, SOC
203	UST site,Contractor; Closed	3 - 6 YR	Database Search	VOC, SOC
204	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
205,358	UST site, Gas Station: Open; SARA, gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
207	UST site,Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
208,244	UST site, Other: Closed; Wrecker Service	3 - 6 YR	Database Search	IOC, VOC, SOC
209	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
210	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
211	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
213	UST site,Gas Station; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
214	UST site,Local Government; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
215	UST site,Gas Station; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
216	UST site,Commercial; Closed	3 - 6 YR	Database Search	VOC, SOC
217	UST site,Truck/Transporter; Closed	3 - 6 YR	Database Search	VOC, SOC
218,341	RCRA site; UST site, Other; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
220	Landscape Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
221	Delivery Service	3 - 6 YR	Database Search	VOC, SOC
222	Janitor Service	3 - 6 YR	Database Search	IOC, VOC, SOC
223	Taxicabs	3 - 6 YR	Database Search	IOC, VOC, SOC
224	Automobile Detail & Clean-Up Service	3 - 6 YR	Database Search	IOC, VOC, SOC
225	Remodeling/Repairing Building Contract	3 - 6 YR	Database Search	IOC, VOC, SOC
227	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
228,340	RCRA site; Waste Disposal-Hazardous	3 - 6 YR	Database Search	IOC, VOC, SOC
229	Movers	3 - 6 YR	Database Search	IOC, VOC, SOC
230	Radio/Tv Broadcasting/Communication Equipment	3 - 6 YR	Database Search	IOC, VOC
231	Tire-Dealers-Retail	3 - 6 YR	Database Search	IOC, VOC, SOC
232	Repair Shops & Related Services	3 - 6 YR	Database Search	IOC, VOC, SOC
233	Machine Shops	3 - 6 YR	Database Search	IOC, VOC, SOC
234	Demolition Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
235	Transportation	3 - 6 YR	Database Search	IOC, VOC, SOC
236	Floor Refinishing & Resurfacing	3 - 6 YR	Database Search	IOC, VOC, SOC
237	Sewing Contractors	3 - 6 YR	Database Search	IOC, SOC
238	Carpet & Rug Cleaners	3 - 6 YR	Database Search	IOC, VOC, SOC
239	Jewelry-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
240	Automobile Body Shop Equipment and Supplies	3 - 6 YR	Database Search	IOC, VOC, SOC
241	Automobile Body-Repairing & Painting	3 - 6 YR	Database Search	IOC, VOC, SOC
242	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
243	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
245,246	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
247	Printers	3 - 6 YR	Database Search	IOC, VOC
248	Motorcycles & Motor Scooters-Rair	3 - 6 YR	Database Search	IOC, VOC, SOC
249,342	RCRA site; Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
250	Tile-Ceramic-Contractors & Dealers	3 - 6 YR	Database Search	IOC, VOC, SOC
251	Road Service-Automotive	3 - 6 YR	Database Search	IOC, VOC, SOC
253	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
254	Tire-Dealers-Retail	3 - 6 YR	Database Search	IOC, VOC, SOC
255	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
256	Cleaners	3 - 6 YR	Database Search	VOC
257	Janitors Supplies (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
258	Cleaners-Upholstery	3 - 6 YR	Database Search	VOC
259	Tile-Ceramic-Contractors & Dealers	3 - 6 YR	Database Search	IOC, VOC, SOC
260	Cleaners	3 - 6 YR	Database Search	VOC
261	Phonograph Record/Prerecorded Tape	3 - 6 YR	Database Search	IOC, SOC
263	Photo Finishing-Retail	3 - 6 YR	Database Search	IOC, VOC
264	Painters	3 - 6 YR	Database Search	IOC, VOC, SOC
265	Excavating Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
266	Car Washing & Polishing-Coin Operated	3 - 6 YR	Database Search	IOC, VOC, SOC
267	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
268	Contractors-Equipment and Supplies	3 - 6 YR	Database Search	IOC, VOC, SOC
269	Janitor Service	3 - 6 YR	Database Search	IOC, VOC, SOC
270	Grease Traps (Cleaning Service)	3 - 6 YR	Database Search	IOC, VOC, SOC
271	Fishing Tackle-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
272	Transmissions-Automobile	3 - 6 YR	Database Search	IOC, VOC, SOC
273	Fire Protection Equipment & Supplies	3 - 6 YR	Database Search	VOC, SOC
274	Landscape Contractors	3 - 6 YR	Database Search	IOC, SOC
275	Printers	3 - 6 YR	Database Search	IOC, VOC
276	Lawn Maintenance	3 - 6 YR	Database Search	IOC, VOC
277	Automobile Dealers-New Cars	3 - 6 YR	Database Search	IOC, VOC, SOC
278	Property Maintenance	3 - 6 YR	Database Search	IOC, VOC, SOC
279	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
280	Boat Dealers	3 - 6 YR	Database Search	IOC, VOC, SOC
281	Automobile Electric Service	3 - 6 YR	Database Search	IOC, VOC
282	Transmissions-Automobile	3 - 6 YR	Database Search	IOC, VOC, SOC
283	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
284	Material Handling Equipment (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
285	Newspapers (Publishers)	3 - 6 YR	Database Search	IOC, VOC
286	Leather Goods-Manufacturers	3 - 6 YR	Database Search	IOC, SOC
287	Newspapers (Publishers)	3 - 6 YR	Database Search	IOC, VOC
288	Publishers-Periodical	3 - 6 YR	Database Search	IOC, VOC
289	Automobile Body Shop Equipment and Supplies—Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
290	Artists-Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
291	Industrial Equipment & Supplies (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
292	Carpet & Rug Repairing	3 - 6 YR	Database Search	IOC, VOC, SOC
293	Toys-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
294	Publishers-Periodical	3 - 6 YR	Database Search	IOC, VOC
295	Wheel Alignment-Frame & Axle Service	3 - 6 YR	Database Search	IOC, VOC, SOC
296	Publishers-Book	3 - 6 YR	Database Search	IOC, VOC
297	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
299	Automobile Parts & Supplies-Retail	3 - 6 YR	Database Search	IOC, VOC, SOC
300	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
301	Photographers-Portrait	3 - 6 YR	Database Search	IOC, VOC
302	Bus Lines	3 - 6 YR	Database Search	IOC, VOC, SOC
303	Trucking-Motor Freight	3 - 6 YR	Database Search	VOC, SOC
304	Welding	3 - 6 YR	Database Search	IOC, VOC, SOC
305,346	RCRA site; Automobile Body-Repairing & Painting	3 - 6 YR	Database Search	IOC, VOC, SOC
306,347	RCRA site; Printers	3 - 6 YR	Database Search	IOC, VOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
307	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
308,348	RCRA site; Automobile Body-Repairing & Painting	3 - 6 YR	Database Search	IOC, VOC, SOC
309	Patio Porch & Deck Enclosures	3 - 6 YR	Database Search	IOC, VOC, SOC
310	Trucking-Local Cartage	3 - 6 YR	Database Search	VOC, SOC
311	Laboratories-Dental	3 - 6 YR	Database Search	IOC, VOC, SOC
312	Service Stations-Gasoline & Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
313	Color Sprtns-Offset Photo Engraving	3 - 6 YR	Database Search	IOC, VOC
314	Material Handling Equipment (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
315,349	RCRA site; Automobile Radiator-Repairing	3 - 6 YR	Database Search	IOC, VOC, SOC
316	Funeral Directors	3 - 6 YR	Database Search	IOC, SOC
317	Publishers-Book	3 - 6 YR	Database Search	IOC, VOC
318	Newsletters (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
319	Car Washing/Polishing Equipment and Supplies	3 - 6 YR	Database Search	VOC, SOC
320	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
321	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
322	Landscape Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
323	Motorcycles & Motor Scooters-Dealer	3 - 6 YR	Database Search	IOC, VOC, SOC
324,363	SARA; Gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
325	Home Improvements	3 - 6 YR	Database Search	IOC, VOC, SOC
326	Buses-Charter & Rental	3 - 6 YR	Database Search	IOC, VOC, SOC
327	Copying Machines & Supplies-Manufacturing	3 - 6 YR	Database Search	IOC, VOC
328	Publishers-Book	3 - 6 YR	Database Search	IOC, VOC
329	Publishers-Book	3 - 6 YR	Database Search	IOC, VOC
330	Lawn Maintenance	3 - 6 YR	Database Search	IOC, VOC, SOC
331	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
332	Excavating Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
333,334,335	Truck Renting & Leasing	3 - 6 YR	Database Search	VOC, SOC
336	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
337	Delivery Service	3 - 6 YR	Database Search	IOC, VOC, SOC
339	RCRA site,	3 - 6 YR	Database Search	IOC, VOC, SOC
344	RCRA site	3 - 6 YR	Database Search	IOC, VOC
350	RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
351	RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
352	RCRA site	3 - 6 YR	Database Search	IOC, VOC
353	Sand & Gravel	3 - 6 YR	Database Search	IOC, VOC, SOC
354	Sand & Gravel	3 - 6 YR	Database Search	IOC, VOC, SOC
355	Sand & Gravel	3 - 6 YR	Database Search	IOC, VOC, SOC
356	Sand & Gravel	3 - 6 YR	Database Search	IOC, VOC, SOC
357	SARA, telephone communications, except ratio	3 - 6 YR	Database Search	IOC, VOC
359	SARA	3 - 6 YR	Database Search	IOC, VOC, SOC
360,364	SARA, amusement and recreation, nec	3 - 6 YR	Database Search	IOC, VOC, SOC
361	SARA, gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
362	SARA, gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
365	Water supply	3 - 6 YR	Database Search	IOC, SOC
366	Group 1 site	3 - 6 YR	Database Search	IOC, VOC, SOC
367	LUST site,Site Cleanup Incomplete , Impact: GROUND WATER	6 - 10 YR	Database Search	IOC, VOC, SOC
368,383	UST site,Gas Station: Closed;LUST site, Site Cleanup Completed , Impact: GROUND WATER	6 - 10 YR	Database Search	IOC, VOC, SOC
369,377,429	LUST site, Site Cleanup Completed , Impact: Unknown; UST site,Not Listed: Open; Service Stations-Gasoline & Oil	6 - 10 YR	Database Search	IOC, VOC, SOC
370	LUST site,Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
371,378	LUST site,Site Cleanup Completed , Impact: Unknown;UST site, Gas Station: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
372,380,504	RCRA site; LUST site,Site Cleanup Completed , Impact: Unknown;UST site,Other: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
373,500,516	SARA, GASOLINE SERVICE STATION; RCRA site; LUST site,Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
374	LUST site,Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
375	LUST site,Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
376	LUST site,Site Cleanup Incomplete , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
379	UST site,Gas Station; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
381,502	UST site,Truck/Transporter: Closed;RCRA site	6 - 10 YR	Database Search	VOC, SOC
382	UST site,Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
384	UST site,Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
385	UST siteGas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
386	UST site,Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
387	UST site,Gas Station; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
388	UST site,Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
389	UST site,Gas Station; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
390,517	UST site,Gas Station: Open; SARA	6 - 10 YR	Database Search	IOC, VOC, SOC
391	UST site,State Government; Closed	6 - 10 YR	Database Search	VOC, SOC
392	UST site,Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
393	UST site,Other; Closed	6 - 10 YR	Database Search	VOC, SOC
394	UST site,Residential; Closed	6 - 10 YR	Database Search	IOC
395,432	Automobile Dealers-Used Cars; UST site,Auto Dealership; Closed	6 - 10 YR	Database Search	IOC, SOC
396	UST site,Not Listed; Open	6 - 10 YR	Database Search	VOC, SOC
397,415	UST site,Industrial: Closed; Rental Service-Stores	6 - 10 YR	Database Search	IOC, VOC, SOC
398	UST site,Railroad; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
399	Printing Equipment-Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
400	Movers	6 - 10 YR	Database Search	IOC, VOC, SOC
401	Glass Coating & Tinting	6 - 10 YR	Database Search	IOC, VOC
402	Semiconductor Devices (Manufacturing)	6 - 10 YR	Database Search	IOC, VOC
403	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
404	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
405	Steel Erectors	6 - 10 YR	Database Search	IOC, VOC, SOC
406	Cleaners	6 - 10 YR	Database Search	IOC, VOC
407	Carpet & Rug Cleaners	6 - 10 YR	Database Search	IOC, VOC, SOC
408	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
409	Landscape Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
410	Contractors-Equipment & Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
411	Automobile Radiator-Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
412	Tree Service	6 - 10 YR	Database Search	IOC, SOC
413	Service Stations-Gasoline & Oil	6 - 10 YR	Database Search	IOC, VOC, SOC
414	Recreational Vehicles-Storage	6 - 10 YR	Database Search	IOC, VOC, SOC
416	Automobile Renting & Leasing	6 - 10 YR	Database Search	IOC, SOC
417	Bicycles-Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
418	Lawn Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
419	Carpet & Rug Cleaners	6 - 10 YR	Database Search	IOC, VOC, SOC
420	Newspapers (Publishers)	6 - 10 YR	Database Search	IOC, VOC
421	Machine Shops	6 - 10 YR	Database Search	IOC, VOC, SOC
422	Lawn Maintenance	6 - 10 YR	Database Search	IOC, SOC
423	Boat Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
424,501	RCRA site; Automobile Body-Repairing & Painting	6 - 10 YR	Database Search	IOC, VOC, SOC
425	Contractors-Equipment and Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
426	Conveyors & Conveying Equipment-Manufacturing	6 - 10 YR	Database Search	IOC, VOC, SOC
427	Landscape Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
428	Landscape Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
430	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
431	Photographs-Stock	6 - 10 YR	Database Search	IOC, VOC
433	Storage-Household & Commercial	6 - 10 YR	Database Search	IOC, VOC, SOC
434	Floor Refinishing & Resurfacing	6 - 10 YR	Database Search	VOC, SOC
435	Automobile Renting & Leasing	6 - 10 YR	Database Search	VOC, SOC
436	Landscape Contractors	6 - 10 YR	Database Search	IOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
437	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
438	Radio/Tv Broadcasting/Communications Equipment	6 - 10 YR	Database Search	IOC, VOC
439	Delivery Service	6 - 10 YR	Database Search	VOC, SOC
440	Landscape Contractors	6 - 10 YR	Database Search	IOC, SOC
441	Washers-Pressure	6 - 10 YR	Database Search	IOC, VOC, SOC
442	Lawn Mowers	6 - 10 YR	Database Search	IOC, VOC, SOC
443	Oils-Petroleum-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
444	Landscape Contractors	6 - 10 YR	Database Search	IOC, SOC
445	Remodeling/Repairing Building Contractor	6 - 10 YR	Database Search	IOC, VOC, SOC
446	Automobile Electric Service	6 - 10 YR	Database Search	IOC, VOC
447	Photographic Equip & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC
448	Rescue Squads	6 - 10 YR	Database Search	IOC, VOC, SOC
449	Prepared Fresh-Frozen Seafoods	6 - 10 YR	Database Search	IOC, VOC
450	Crane Service	6 - 10 YR	Database Search	IOC, VOC, SOC
451	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
452	Tree Service	6 - 10 YR	Database Search	IOC, SOC
453	Property Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
454	Janitor Service	6 - 10 YR	Database Search	IOC, VOC, SOC
455,505	RCRA site; Printers	6 - 10 YR	Database Search	IOC, VOC
456	Photographers-Commercial	6 - 10 YR	Database Search	IOC, VOC
457	Electric Equipment-Manufacturers	6 - 10 YR	Database Search	IOC, VOC
458	Pest Control	6 - 10 YR	Database Search	IOC, SOC
459	Candy & Confectionery-Manufacturer	6 - 10 YR	Database Search	IOC, VOC
460	Printers	6 - 10 YR	Database Search	IOC, VOC
461	Printers	6 - 10 YR	Database Search	IOC, VOC
462	Janitor Service	6 - 10 YR	Database Search	IOC, VOC, SOC
463	Janitor Service	6 - 10 YR	Database Search	IOC, VOC, SOC
464	Excavating Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
465	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
466	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
467	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
468	Lawn Maintenance	6 - 10 YR	Database Search	IOC, SOC
469	Multimedia (Manufacturers)	6 - 10 YR	Database Search	IOC, VOC
470	Office Machines NEC (Manufacturers)	6 - 10 YR	Database Search	IOC, VOC
471	Washers-Pressure	6 - 10 YR	Database Search	IOC, VOC, SOC
472	Painters	6 - 10 YR	Database Search	IOC, VOC, SOC
473	Automobile Dealers-Used Cars	6 - 10 YR	Database Search	VOC, SOC
474	Automobile Dealers-Used Cars	6 - 10 YR	Database Search	VOC, SOC
475	Storage-Household & Commercial	6 - 10 YR	Database Search	IOC, VOC, SOC
476	Fish Hatcheries	6 - 10 YR	Database Search	IOC, VOC
477	General Contractors	6 - 10 YR	Database Search	VOC, SOC
478	Home Builders	6 - 10 YR	Database Search	IOC, VOC, SOC
479,480	Veterinarians; Equipment & Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
481	Carpet & Rug Cleaners	6 - 10 YR	Database Search	IOC, VOC, SOC
482	Painters	6 - 10 YR	Database Search	IOC, VOC, SOC
483	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
484	Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
485	Storage-Household & Commercial	6 - 10 YR	Database Search	IOC, VOC, SOC
486	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
487	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
488	Truck-Painting & Lettering	6 - 10 YR	Database Search	IOC, VOC, SOC
489	Printers	6 - 10 YR	Database Search	IOC, VOC
490	Well Drilling	6 - 10 YR	Database Search	IOC, VOC, SOC
491	Veterinarians	6 - 10 YR	Database Search	IOC, VOC, SOC
492	Carpet & Rug Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
493	Floor Refinishing & Resurfacing	6 - 10 YR	Database Search	VOC, SOC
494	Dredging	6 - 10 YR	Database Search	IOC, VOC, SOC
495	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
496	Typesetting (Manufacturers)	6 - 10 YR	Database Search	IOC, VOC
497	Painters	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
498	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
499	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
503	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
506,507,518	RCRA site; SARA; electron tubes	6 - 10 YR	Database Search	IOC, VOC
508	RCRA site	6 - 10 YR	Database Search	VOC
509	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
510,511	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
512	Sand and Gravel	6 - 10 YR	Database Search	IOC, VOC, SOC
513	Sand and Gravel	6 - 10 YR	Database Search	IOC, VOC, SOC
514	SARA	6 - 10 YR	Database Search	IOC, VOC, SOC
515	SARA, Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC
519	SARA, water supply	6 - 10 YR	Database Search	IOC, VOC, SOC
520	Group 1 site	6 - 10 YR	Database Search	IOC, VOC, SOC

¹ RCRA = Resource Conservation and Recovery Act, SARA = Superfund Amendments and Reauthorization Act., WLAP = Wastewater Land Applications Sites, UST = Underground Storage Tank

² TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead

³ IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical

Table 3. Capitol Water Corporation Well #3 Potential Contaminant Inventory

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
1,6,24,46	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Other; Closed; RCRA site; Tire-Dealers-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
2	UST site,Not Listed; Closed	0 - 3 YR	Database Search	VOC, SOC
3	UST site,Other; Closed	0 - 3 YR	Database Search	VOC, SOC
4	UST site,Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
5	UST site,Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
7,10	UST site,Aircraft Owner: Open; UST site,Other; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
8	UST site,Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
9	UST site,Federal Non-Military; Open	0 - 3 YR	Database Search	IOC, SOC
11,17	UST site,Other; Closed;Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
12	Excavating Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
13	Automobile Parts & Supplies-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
14	Excavating Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
15	Automobile Machine Shop Service	0 - 3 YR	Database Search	IOC, VOC, SOC
16	Hospitals	0 - 3 YR	Database Search	IOC, SOC, Microbials
18	Water & Sewage Companies-Utility	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
19	Movers	0 - 3 YR	Database Search	IOC, VOC, SOC
20	Electric Equipment-Manufacturers	0 - 3 YR	Database Search	IOC, VOC
21	Storage-Household & Commercial	0 - 3 YR	Database Search	IOC, VOC, SOC
22	Remodeling/Repairing Bldg Contract	0 - 3 YR	Database Search	IOC, VOC, SOC
23	Automobile Parts & Supplies-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
25	Automobile Seatcovers Tops & Upholstery	0 - 3 YR	Database Search	VOC
26	Building Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
27,50	SARA; Newspapers (Publishers)	0 - 3 YR	Database Search	IOC, VOC
28	Laboratories-Medical	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
29	Laboratories-Medical	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
30	Motorcycles & Motor Scooters-Repair	0 - 3 YR	Database Search	IOC, VOC, SOC
31	Printers	0 - 3 YR	Database Search	IOC, VOC
32	Automobile Dealers-Used Cars	0 - 3 YR	Database Search	IOC, VOC, SOC
33	Building Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
34	Laboratories-Dental	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
35	Bicycles-Dealers	0 - 3 YR	Database Search	IOC, VOC, SOC
36,37,38,39,47,49	RCRA site; SARA, Gen. Medical/Surgical hospital; Hospitals	0 - 3 YR	Database Search	IOC, SOC, Microbials
40	Newsletters (Manufacturers)	0 - 3 YR	Database Search	IOC, VOC
41	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
42	Laboratories-Medical	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
43	Medical Research	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
44	Excavating Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
45	Garden Centers	0 - 3 YR	Database Search	IOC, VOC, SOC
48	RCRA site, Printers	0 - 3 YR	Database Search	IOC, VOC
51,66,85,176,192,199	LUST site, Site Cleanup Incomplete , Impact: Unknown;UST site,Petroleum Distributor; Open;RCRA site; SARA, Petroleum bulk stations & Term: AST	3 - 6 YR	Database Search	IOC, VOC, SOC
52,61	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Gas Station; Closed	3 - 6 YR	Database Search	VOC
53,54	LUST site,Site Cleanup Completed , Impact: Unknown; Lust site, Cleanup Completed , Impact: Unknown	3 - 6 YR	Database Search	IOC, VOC, SOC
55,98,201	LUST site, Site Cleanup Incomplete , Impact: Unknown; AST; Pipe Line Companies	3 - 6 YR	Database Search	IOC, VOC, SOC
56,71	UST siteGas Station; Closed; LUST site,site Cleanup Incomplete , Impact: POSSIBLE GROUND WATER	3 - 6 YR	Database Search	IOC, VOC, SOC
57,186	SARA; UST site, Truck/Transporter; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
58	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
59	UST site,Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
60	UST site,Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
62,145	UST site,Truck/Transporter; Closed; Movers	3 - 6 YR	Database Search	VOC, SOC
63	UST site,Truck/Transporter; Open	3 - 6 YR	Database Search	VOC, SOC
64,89,196	UST site,Petroleum Distributor: Closed; SARA, GASOLINE SERVICE STATIONS; Oils-Fuel (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
65	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
67	UST site,Commercial; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
68	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
69	UST site,Not Listed; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
70	UST site,Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
72	UST site,Other; Closed	3 - 6 YR	Database Search	VOC, SOC
73	UST site,Gas Station; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
74	UST site,Local Government; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
75	UST site,Gas Station; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
76	UST siteCommercial; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
77,183	UST siteOther; Open;RCRA site,Oil and Lube	3 - 6 YR	Database Search	IOC, VOC, SOC
78	UST site,Other; Closed	3 - 6 YR	Database Search	VOC, SOC
79,129	UST site, Commercial: Closed; Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
80	Embossing	3 - 6 YR	Database Search	IOC, VOC
81	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
82	Lawn Maintenance	3 - 6 YR	Database Search	IOC, SOC
83	Aircraft Servicing & Maintenance	3 - 6 YR	Database Search	IOC, VOC, SOC
84	Janitor Service	3 - 6 YR	Database Search	IOC, VOC, SOC
86	Home Builders	3 - 6 YR	Database Search	IOC, VOC, SOC
87	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
88	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
90	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
91	Automobile Dealers-Used Cars	3 - 6 YR	Database Search	IOC, VOC, SOC
92	Automobile Dealers-Used Cars	3 - 6 YR	Database Search	IOC, VOC, SOC
93,177,193	RCRA site; SARA, Petroleum bulk stations & Term; Oil Producers	3 - 6 YR	Database Search	IOC, VOC, SOC
94	Septic Tanks-Cleaning & Repairing	3 - 6 YR	Database Search	IOC, VOC, SOC
95	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
96	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
97	Wineries	3 - 6 YR	Database Search	IOC, VOC
99	Cleaners	3 - 6 YR	Database Search	VOC
100	Controls Control Sys/Regulators	3 - 6 YR	Database Search	IOC, VOC, SOC
101	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
102	Cleaners-Upholstery	3 - 6 YR	Database Search	VOC
103	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
104	Window Cleaning	3 - 6 YR	Database Search	VOC
105	Electrical Power Systems-Maintenance	3 - 6 YR	Database Search	IOC, VOC
106	Home Improvements	3 - 6 YR	Database Search	IOC, VOC, SOC
107	Tire-Dealers-Retail	3 - 6 YR	Database Search	IOC, VOC, SOC
108	Excavating Contractor	3 - 6 YR	Database Search	IOC, VOC, SOC
109	Optical Goods-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
110	Publishers-Periodical	3 - 6 YR	Database Search	IOC, VOC
111	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
112	Petroleum Products (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
113	Car Washing & Polishing-Coin Operated	3 - 6 YR	Database Search	IOC, VOC, SOC
114,202	AST; Oils-Fuel (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
115	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
116	Newspapers (Publishers)	3 - 6 YR	Database Search	IOC, VOC
117	Floor Refinishing & Resurfacing	3 - 6 YR	Database Search	VOC, SOC
118	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
119	Lawn Maintenance	3 - 6 YR	Database Search	IOC, VOC, SOC
120	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
121	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
122	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
123	Candles-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
124	Newspapers (Publishers)	3 - 6 YR	Database Search	IOC, VOC
125	Leather Goods-Manufacturers	3 - 6 YR	Database Search	IOC, VOC
126	Microfilming Service Equipment	3 - 6 YR	Database Search	IOC, VOC
127	Screen Printing	3 - 6 YR	Database Search	IOC, VOC
128	Automobile Body Shop Equip/Supls-Wholesale	3 - 6 YR	Database Search	IOC, SOC
130	Automobile Machine Shop Service	3 - 6 YR	Database Search	IOC, VOC, SOC
131	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
132	Surgical Instruments-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
133	Tree Service	3 - 6 YR	Database Search	IOC, SOC
134	Laundries	3 - 6 YR	Database Search	IOC, VOC, SOC
135	Cleaners	3 - 6 YR	Database Search	IOC, VOC
136	Signs (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
137	Printers	3 - 6 YR	Database Search	IOC, VOC
138	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
139	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
140	Oil Additives-Distributors	3 - 6 YR	Database Search	IOC, VOC, SOC
141	Welding	3 - 6 YR	Database Search	IOC, VOC, SOC
142	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
143	Roofing Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
144	Building Contractors	3 - 6 YR	Database Search	IOC, VOC
146	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
147	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
148	Plants-Interior Design & Maintenance	3 - 6 YR	Database Search	IOC, SOC
149	Home Builders	3 - 6 YR	Database Search	IOC, VOC, SOC
150	Home Builders	3 - 6 YR	Database Search	IOC, VOC, SOC
151	Automobile Lubrication Service	3 - 6 YR	Database Search	IOC, VOC, SOC
152	Drapery & Curtain Cleaners	3 - 6 YR	Database Search	VOC
153	Bicycles-Dealers	3 - 6 YR	Database Search	IOC, VOC, SOC
154	Controls Control Systems/Regulators	3 - 6 YR	Database Search	IOC, VOC, SOC
155	Photographers-Portrait	3 - 6 YR	Database Search	IOC, VOC
156	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
157	Signs (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
158	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
159	Photo Finishing-Retail	3 - 6 YR	Database Search	IOC, VOC
160,190	SARA, Gasoline service stations; Service Stations-Gasoline & Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
161	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
162	Photographers-Portrait	3 - 6 YR	Database Search	IOC, VOC
163	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
164	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
165	Plating (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
166	Laboratories-Medical	3 - 6 YR	Database Search	IOC, VOC, SOC
167	Stone Cutters	3 - 6 YR	Database Search	IOC, VOC, SOC
168	Barbers Equipment & Supplies (Wholesale)	3 - 6 YR	Database Search	IOC, SOC
169	Swimming Pool Controls	3 - 6 YR	Database Search	IOC, VOC, SOC
170	Microfilming Service Equipment & Service	3 - 6 YR	Database Search	IOC, VOC
171	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
172	Service Stations-Gasoline & Oi	3 - 6 YR	Database Search	IOC, VOC, SOC
173	Water Works Equipment & Supplies	3 - 6 YR	Database Search	IOC, VOC
174	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
175	Trucking	3 - 6 YR	Database Search	IOC, SOC
178	RCRA site, Petroleum Terminal	3 - 6 YR	Database Search	IOC, VOC, SOC
179	RCRA site	3 - 6 YR	Database Search	IOC, VOC
180	RCRA site	3 - 6 YR	Database Search	IOC, VOC
181	RCRA site, Labroatory	3 - 6 YR	Database Search	IOC, VOC, SOC
182	RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
184,195	SARA, Petroleum bulk stations & terminals; RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
185	RCRA site, Cleaners	3 - 6 YR	Database Search	IOC, VOC
187	SARA	3 - 6 YR	Database Search	IOC, VOC, SOC
188	SARA, Oil producer	3 - 6 YR	Database Search	IOC, VOC, SOC
189	SARA, Telephone Communications; Except Radio	3 - 6 YR	Database Search	IOC, VOC
191	SARA, Gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
194	SARA, Petrol & Pet Prod Wholesalers	3 - 6 YR	Database Search	IOC, VOC, SOC
197	SARA, Liquid petroleum Dealer	3 - 6 YR	Database Search	IOC, VOC, SOC
198	SARA, WATER SUPPLY	3 - 6 YR	Database Search	IOC, SOC
200	AST, Petroleum Supplier	3 - 6 YR	Database Search	IOC, VOC, SOC
203,224	LUST site, Site Cleanup Incomplete, Impact: GROUND WATER; UST site, Other: Open	6 - 10 YR	Database Search	IOC, SOC
204,212,254	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Not Listed; Open; Service Stations-Gasoline & Oil	6 - 10 YR	Database Search	IOC, VOC, SOC
205	LUST site, Site Cleanup Completed, Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
206,226,289	LUST site, Site Cleanup Completed, Impact: GROUND WATER; UST site, Gas Station; Closed; RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
207,215,255,287	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Commercial; Closed; RCRA site; Service Station Equipment (Wholesale)	6 - 10 YR	Database Search	IOC, VOC, SOC
208,220	LUST site, Site Cleanup Completed, Impact: Unknown; UST site, Industrial; Closed	6 - 10 YR	Database Search	IOC, SOC
209	LUST site, Site Cleanup Completed, Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
210	UST site, Other; Closed	6 - 10 YR	Database Search	IOC, SOC
211	UST site, Not Listed; Closed	6 - 10 YR	Database Search	IOC, SOC
213	UST site, Commercial; Closed	6 - 10 YR	Database Search	IOC, SOC
214	UST site, Gas Station; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
216	UST site, Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
217	UST site, Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
218	UST site, Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
219	UST site, Other; Open	6 - 10 YR	Database Search	IOC, SOC
221	UST site, Not Listed; Closed	6 - 10 YR	Database Search	IOC, SOC
222	UST site, Other; Closed	6 - 10 YR	Database Search	IOC, SOC
223	UST site, Commercial; Closed	6 - 10 YR	Database Search	IOC, SOC
225	UST site, Not Listed; Open	6 - 10 YR	Database Search	IOC, SOC
227	Janitor Service	6 - 10 YR	Database Search	IOC, VOC, SOC
228	Home Improvements	6 - 10 YR	Database Search	IOC, VOC, SOC
229	Automobile Detail & Clean-Up Service	6 - 10 YR	Database Search	IOC, VOC, SOC
230	Remodeling/Repairing Building Contract	6 - 10 YR	Database Search	IOC, VOC, SOC
231	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
232	Radio/Tv Broadcasting/Communications Equipment	6 - 10 YR	Database Search	IOC, SOC
233	Tire-Dealers-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
234	Machine Shops	6 - 10 YR	Database Search	IOC, VOC, SOC
235	Demolition Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
236	Carpet & Rug Cleaners	6 - 10 YR	Database Search	IOC, VOC, SOC
237	Semiconductor Devices (Manufacture)	6 - 10 YR	Database Search	IOC, VOC
238	Automobile Body Shop Equip/Supls-Wholesale	6 - 10 YR	Database Search	IOC, VOC, SOC
239	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
240	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
241	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
242,243	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
244	Motorcycles & Motor Scooters-Repair	6 - 10 YR	Database Search	IOC, VOC, SOC
245,285	RCRA site; Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
246	Tile-Ceramic-Contractors & Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
247	Tree Service	6 - 10 YR	Database Search	IOC, SOC
248	Concrete Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
249	Boat Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
250	Conveyors & Conveying Equipment-Manufacturing	6 - 10 YR	Database Search	IOC, VOC, SOC
251	Cleaners	6 - 10 YR	Database Search	VOC
252	Landscape Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
253	Phonograph Record/Prerecorded Tape	6 - 10 YR	Database Search	IOC, VOC, SOC
256	Automobile Lubrication Service	6 - 10 YR	Database Search	IOC, VOC, SOC
257	Car Washing & Polishing-Coin Operated	6 - 10 YR	Database Search	IOC, VOC, SOC
258	Contractors-Equipment and Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
259	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
260	Fire Protection Equipment & Supplies	6 - 10 YR	Database Search	VOC, SOC
261	Oils-Petroleum-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
262	Printers	6 - 10 YR	Database Search	IOC, SOC
263	Property Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
264	Boat Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
265	Transmissions-Automobile	6 - 10 YR	Database Search	IOC, VOC, SOC
266	Industrial Equipment & Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
267	Toys-Manufacturers	6 - 10 YR	Database Search	IOC, VOC, SOC
268	Wheel Alignment-Frame & Axle Service	6 - 10 YR	Database Search	IOC, VOC, SOC
269	Printers	6 - 10 YR	Database Search	IOC, VOC
270	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
271	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	VOC, SOC
272	Trailers-Truck (Wholesale)	6 - 10 YR	Database Search	VOC, SOC
273,290	RCRA site; Automobile Body-Repairing & Painting	6 - 10 YR	Database Search	IOC, VOC, SOC
274,291	RCRA site; Printers	6 - 10 YR	Database Search	IOC, VOC
275	Patio Porch & Deck Enclosures	6 - 10 YR	Database Search	IOC, VOC, SOC
276	Trucking-Local Cartage	6 - 10 YR	Database Search	VOC, SOC
277,292	RCRA site; Automobile Radiator-Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
278	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
279	Car Washing/Polishing Equip/Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
280	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	VOC, SOC
281	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
282	Motorcycles & Motor Scooters-Dealer	6 - 10 YR	Database Search	IOC, VOC, SOC
283	Truck Renting & Leasing	6 - 10 YR	Database Search	VOC, SOC
284	Federal Government-National Security	6 - 10 YR	Database Search	IOC, VOC, SOC
286	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
288	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
293,294	RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
295,296	Sand & Gravel	6 - 10 YR	Database Search	IOC, VOC, SOC
297	SARA	6 - 10 YR	Database Search	IOC, VOC, SOC
298	SARA, Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC
299	SARA, Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC
300	SARA, Water Supply	6 - 10 YR	Database Search	IOC, SOC

¹ RCRA = Resource Conservation and Recovery Act, SARA =Superfund Amendments and Reauthorization Act., WLAP = Wastewater Land Applications Sites, UST = Underground Storage Tank

² TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead

³ IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical

Table 4. Capitol Water Corporation Well #4, Potential Contaminant Inventory

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
1	UST site, Other; Closed	0 - 3 YR	Database Search	VOC, SOC
2	Laboratories-Dental	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
3	Tire-Dealers-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
4	Veterinarians	0 - 3 YR	Database Search	IOC, SOC
5	Movers	0 - 3 YR	Database Search	IOC, VOC, SOC
6	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
7	Semiconductor Devices (Manufacture)	0 - 3 YR	Database Search	IOC, VOC
8	General Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
9	Motorcycles & Motor Scooters-Repair and Service	0 - 3 YR	Database Search	IOC, VOC, SOC
10	Veterinarians	0 - 3 YR	Database Search	IOC, SOC, Microbials
11	Publishers-Book	0 - 3 YR	Database Search	IOC, VOC
12	Yellow Pages-Publishers	0 - 3 YR	Database Search	IOC, VOC, SOC
13	Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
15	Bicycles-Dealers	0 - 3 YR	Database Search	IOC, VOC, SOC
16	Screen Printing	0 - 3 YR	Database Search	IOC, VOC
14,17	RCRA site,Paint-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
21	UST site, Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
22	UST site, Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
24	UST site, Truck/Transporter; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
26	UST site, Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
28	UST site,Commercial; Closed	3 - 6 YR	Database Search	VOC, SOC
29	UST site,Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
30	UST site,Not Listed; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
32	UST site, Contractor; Closed	3 - 6 YR	Database Search	VOC, SOC
33	UST site,Aircraft Owner; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
34	Embossing	3 - 6 YR	Database Search	IOC, VOC
35	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
36	Lawn Maintenance	3 - 6 YR	Database Search	IOC, SOC
37	Janitor Service	3 - 6 YR	Database Search	IOC, VOC, SOC
39	Typesetting (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
41	Automobile Dealers-Used Cars	3 - 6 YR	Database Search	IOC, SOC
43	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
45	Controls Control System/Regulators	3 - 6 YR	Database Search	IOC, VOC, SOC
46	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
47	Window Cleaning	3 - 6 YR	Database Search	VOC
48	Electrical Power Systems-Maintenance	3 - 6 YR	Database Search	IOC, VOC
49	Electric Equipment-Manufacturers	3 - 6 YR	Database Search	IOC, VOC
50	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
52	Home Improvements	3 - 6 YR	Database Search	IOC, VOC, SOC
53	Remodeling/Repairing Bldg Contract	3 - 6 YR	Database Search	IOC, VOC, SOC
54	Publishers-Periodical	3 - 6 YR	Database Search	IOC, VOC
56	Publishers	3 - 6 YR	Database Search	IOC, VOC
57	Petroleum Products (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
58	Car Washing & Polishing-Coin Operated	3 - 6 YR	Database Search	IOC, VOC, SOC
60	Floor Refinishing & Resurfacing	3 - 6 YR	Database Search	VOC, SOC
61	Candles-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
62	Newspapers (Publishers)	3 - 6 YR	Database Search	IOC, VOC
63	Laboratories-Medical	3 - 6 YR	Database Search	IOC, VOC, SOC
64	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
65	Laboratories-Medical	3 - 6 YR	Database Search	IOC, VOC, SOC
66	Laundries	3 - 6 YR	Database Search	IOC
67	Welding	3 - 6 YR	Database Search	IOC, VOC, SOC
70	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
71	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
72	Plants-Interior Design & Maintenance	3 - 6 YR	Database Search	IOC, SOC
73	Home Builders	3 - 6 YR	Database Search	IOC, VOC, SOC
74	Swimming Pool-Service	3 - 6 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
75	Painters	3 - 6 YR	Database Search	IOC, VOC, SOC
76	Construction	3 - 6 YR	Database Search	IOC, VOC, SOC
77	Controls Control Systems/Regulators	3 - 6 YR	Database Search	IOC, VOC, SOC
78	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
79	Laboratories-Dental	3 - 6 YR	Database Search	IOC, VOC, SOC
80	Building Cleaning & Maintenance	3 - 6 YR	Database Search	IOC, VOC, SOC
81	Signs (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
82	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
83	Service Stations-Gasoline & Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
84	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
85	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
86	Plating (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
87	Laboratories-Medical	3 - 6 YR	Database Search	IOC, VOC, SOC
88	Stone Cutters	3 - 6 YR	Database Search	IOC, VOC, SOC
89	Microfilming Service Equipment	3 - 6 YR	Database Search	IOC, VOC
90	Service Stations-Gasoline & Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
91	Medical Research	3 - 6 YR	Database Search	IOC, VOC, SOC
92	RCRA site,Freight Service	3 - 6 YR	Database Search	IOC, VOC, SOC
95	RCRA site, Terminaling	3 - 6 YR	Database Search	IOC, VOC, SOC
97	RCRA site,Drug Lab	3 - 6 YR	Database Search	IOC, VOC, SOC
98	RCRA site, Investments	3 - 6 YR	Database Search	IOC, VOC, SOC
101	SARA site	3 - 6 YR	Database Search	IOC, VOC, SOC
102	SARA, Oil Company	3 - 6 YR	Database Search	IOC, VOC, SOC
103	SARA, Gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
106	SARA, Petroleum bulk stations & term	3 - 6 YR	Database Search	IOC, VOC, SOC
110	AST Oil Storage	3 - 6 YR	Database Search	IOC, VOC, SOC
51,104	SARA, Dairy Products-Wholesale	3 - 6 YR	Database Search	IOC
59,112	AST,Oils-Fuel (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
100,107	SARA, Petroleum bulk stations & term	3 - 6 YR	Database Search	IOC, VOC, SOC
105,109	SARA,Petroleum bulk stations & term;AST	3 - 6 YR	Database Search	IOC, VOC, SOC
18,27,38,93	LUST site,Site Cleanup Incomplete , Impact: Unknown; UST site,Petroleum Distributor; Open;RCRA site;Oil Producer	3 - 6 YR	Database Search	IOC, VOC, SOC
19,31,55	LUST site,Site Cleanup Completed , Impact: Unknown;UST site, Other; Closed; Tire-Dealers-Retail;RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
20,44,111	LUST site, Site Cleanup Incomplete , Impact: Unknown; AST, Pipe Line Companies	3 - 6 YR	Database Search	IOC, VOC, SOC
23,69	UST site,Truck/Transporter; Closed;Movers	3 - 6 YR	Database Search	IOC, VOC, SOC
25,40,108	UST site, Petroleum Distributor; Closed;SARA, gasoline service stations;Oils-Fuel (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
42,94	RCRA site;Oil Producers	3 - 6 YR	Database Search	IOC, VOC, SOC
68,99	RCRA site, Waste Disposal-Hazardous	3 - 6 YR	Database Search	IOC, VOC, SOC
113	LUST site,Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
120	UST site,Other; Closed	6 - 10 YR	Database Search	VOC, SOC
121	UST site, Residential: Closed	6 - 10 YR	Database Search	VOC, SOC
122	UST site,Commercial: Closed	6 - 10 YR	Database Search	VOC, SOC
123	UST site, Gas Station: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
125	UST site, Gas Station: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
126	UST site, Gas Station: Open	6 - 10 YR	Database Search	IOC, VOC, SOC
127	UST site,Gas Station: Open	6 - 10 YR	Database Search	IOC, VOC, SOC
130	UST site,Other; Closed	6 - 10 YR	Database Search	VOC, SOC
131	UST siteNot Listed; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
132	UST site, Gas Station: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
133	UST site, Not Listed; Closed	6 - 10 YR	Database Search	VOC, SOC
134	UST site, Gas Station: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
136	UST site, Commercial: Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
137	UST site, Commercial: Closed	6 - 10 YR	Database Search	VOC, SOC
138	UST site,Other; Open	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
139	UST site, Other: Closed	6 - 10 YR	Database Search	VOC, SOC
141	Automobile Detail & Clean-Up Service	6 - 10 YR	Database Search	VOC
142	Remodeling/Repairing Bldg Contract	6 - 10 YR	Database Search	IOC, VOC, SOC
143	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
144	Aircraft Servicing & Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
145	Radio/Tv Broadcasting Equipment	6 - 10 YR	Database Search	IOC, SOC
146	Tire-Dealers-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
147	Machine Shops	6 - 10 YR	Database Search	IOC, VOC, SOC
148	Home Builders	6 - 10 YR	Database Search	IOC, VOC, SOC
149	Storage-Household & Commercial	6 - 10 YR	Database Search	IOC, VOC, SOC
150	Automobile Body Shop Equipment and Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
151	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
154	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
156	Tile-Ceramic-Contractors & Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
157	Septic Tanks-Cleaning & Repairing	6 - 10 YR	Database Search	IOC
158	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
159	Printers	6 - 10 YR	Database Search	IOC, VOC
160	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
161	Wineries	6 - 10 YR	Database Search	IOC, VOC
162	Concrete Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
163	Cleaners	6 - 10 YR	Database Search	VOC
165	Compost (Manufacturers)	6 - 10 YR	Database Search	IOC, VOC, SOC
166	Cleaners-Upholstery	6 - 10 YR	Database Search	VOC
167	Funeral Directors	6 - 10 YR	Database Search	IOC, SOC
168	Cleaners	6 - 10 YR	Database Search	VOC
169	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
170	Phonograph Record/Prerecorded Tape	6 - 10 YR	Database Search	IOC, VOC, SOC
172	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
173	Tire-Dealers-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
174	Automobile Lubrication Service	6 - 10 YR	Database Search	IOC, VOC, SOC
175	Excavating Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
176	Car Washing & Polishing-Coin Operated	6 - 10 YR	Database Search	IOC, VOC, SOC
177	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
178	Fuel-Economizers	6 - 10 YR	Database Search	IOC, VOC, SOC
179	Automobile Customizing	6 - 10 YR	Database Search	IOC, VOC, SOC
180	Fire Protection Equipment & Supplies	6 - 10 YR	Database Search	VOC, SOC
181	Newspapers (Publishers)	6 - 10 YR	Database Search	IOC, VOC
182	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
183	Lawn Maintenance	6 - 10 YR	Database Search	IOC, SOC
184	Property Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
185	Building Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
186	Automobile Dealers-Used Cars	6 - 10 YR	Database Search	IOC, SOC
187	Automobile Renting & Leasing	6 - 10 YR	Database Search	IOC, SOC
188	Boat Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
189	Transmissions-Automobile	6 - 10 YR	Database Search	IOC, VOC, SOC
190	Property Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
191	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
192	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
193	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
194	Antiques-Repairing & Restoring	6 - 10 YR	Database Search	VOC
195	Surgical Instruments-Manufacturers	6 - 10 YR	Database Search	IOC, VOC, SOC
196	Lawn Mowers-Sharpening & Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
197	Tree Service	6 - 10 YR	Database Search	IOC, SOC
198	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
199	Cleaners	6 - 10 YR	Database Search	VOC
200	Signs (Manufacturers)	6 - 10 YR	Database Search	IOC, VOC
201	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
202	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC

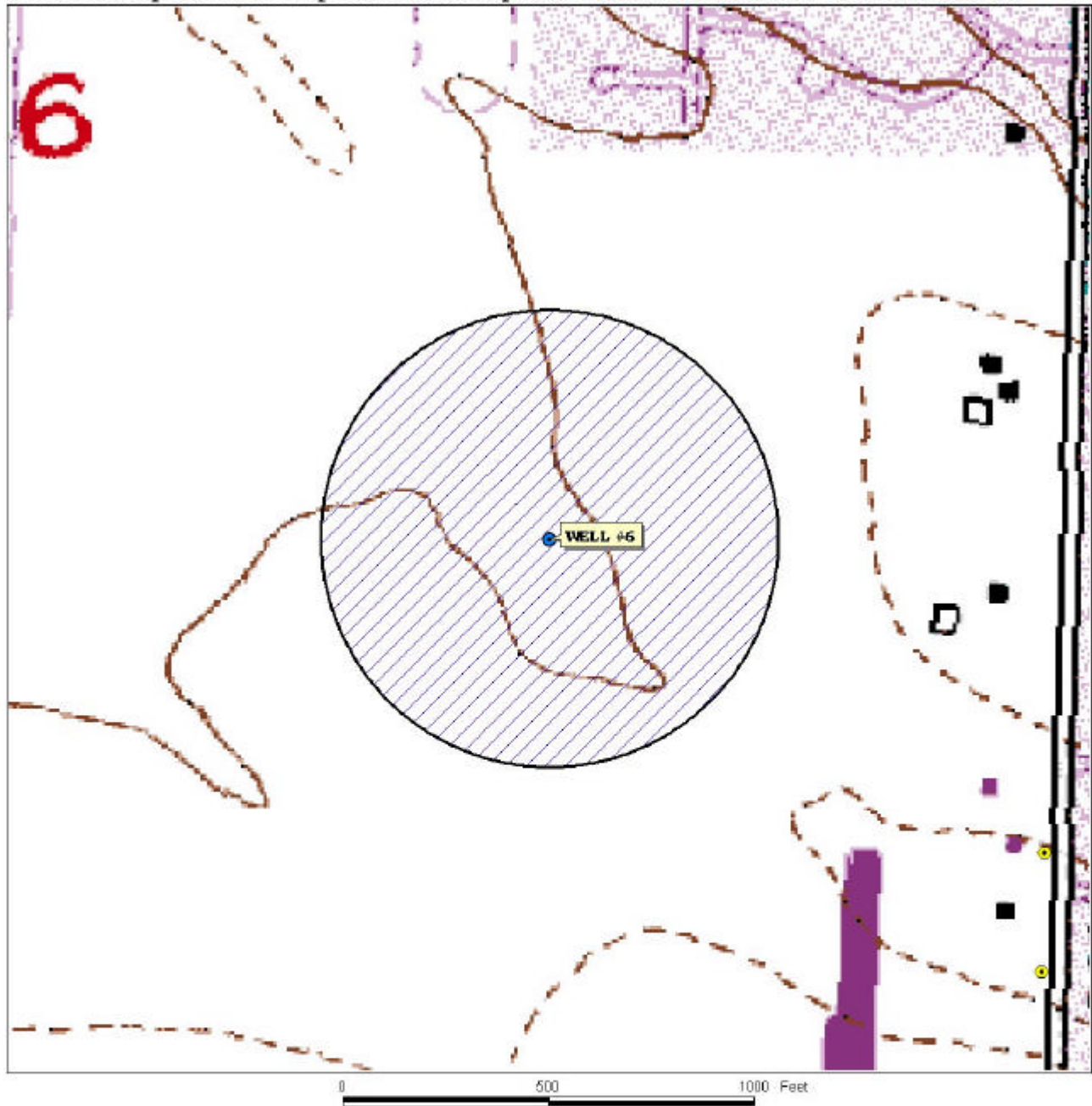
SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
203	Trailers-Truck (Wholesale)	6 - 10 YR	Database Search	IOC, VOC, SOC
204	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
205	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
207	Service Stations-Gasoline & Oil	6 - 10 YR	Database Search	IOC, VOC, SOC
209	Tree Service	6 - 10 YR	Database Search	IOC, SOC
210	Building Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
211	Industrial Equipment & Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
212	Home Builders	6 - 10 YR	Database Search	IOC, VOC, SOC
213	Automobile Lubrication Service	6 - 10 YR	Database Search	IOC, VOC, SOC
215	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
216	Drapery & Curtain Cleaners	6 - 10 YR	Database Search	IOC, VOC
217	Bicycles-Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
218	Car Washing/Polishing Equipment and Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
219	Photographers-Portrait	6 - 10 YR	Database Search	IOC, VOC
220	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
221	Building Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
222	Laboratories-Dental	6 - 10 YR	Database Search	IOC, VOC, SOC
223	Motorcycles & Motor Scooters-Dealer	6 - 10 YR	Database Search	IOC, VOC, SOC
224	Storage-Household & Commercial	6 - 10 YR	Database Search	IOC, VOC, SOC
225	Photographers-Portrait	6 - 10 YR	Database Search	IOC, VOC
227	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
228	Barbers Equipment & Supplies (Wholesale)	6 - 10 YR	Database Search	IOC, VOC, SOC
231	Federal Government-National Security	6 - 10 YR	Database Search	IOC, VOC, SOC
232	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
233	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
235	RCRA site, School	6 - 10 YR	Database Search	IOC, VOC, SOC
238	RCRA site, broadcasting	6 - 10 YR	Database Search	IOC, VOC
239	RCRA site, Lube Service	6 - 10 YR	Database Search	IOC, VOC, SOC
244	RCRA site, Cleaners	6 - 10 YR	Database Search	IOC, VOC
245	SARA, Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC
246	SARA, Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC
247	Petroleum tank farm	6 - 10 YR	Database Search	IOC, VOC, SOC
116,129	LUST site, Site Cleanup Completed , Impact: Unknown;UST site, Industrial; Closed	6 - 10 YR	Database Search	VOC, SOC
117,118	LUST site,Site Cleanup Completed , Impact: Unknown; LUST site, Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
119,128	UST site,Gas Station; Closed;LUST site,Site Cleanup Incomplete , Impact: POSSIBLE GROUND WATER	6 - 10 YR	Database Search	IOC, VOC, SOC
135,226	UST site,Commercial; Closed;	6 - 10 YR	Database Search	VOC, SOC
155,234	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
164,236	RCRA site, Paint-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
206,241	RCRA site,Automobile Body-Repairing & Painti	6 - 10 YR	Database Search	IOC, VOC, SOC
208,242	RCRA site,Printers	6 - 10 YR	Database Search	IOC, VOC
214,243	RCRA site,Automobile Radiator-Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
229,230	Truck Renting & Leasing	6 - 10 YR	Database Search	IOC, SOC
114,140,240	LUST site, Site Cleanup Completed , Impact: GROUND WATER; UST site, Gas Station; Closed;RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
115,124,171,237	LUST site,Site Cleanup Completed , Impact: Unknown;UST site, Commercial; Closed; Service Station Equipment (Wholesale)	6 - 10 YR	Database Search	IOC, VOC, SOC
152, 153	Veterinarians	6 - 10 YR	Database Search	IOC, SOC

¹ RCRA = Resource Conservation and Recovery Act, SARA =Superfund Amendments and Reauthorization Act., WLAP = Wastewater Land Applications Sites, UST = Underground Storage Tank

² TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead

³ IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical

FIGURE 6. Capitol Water Corp Delineation Map and Potential Contaminant Source Locations



PWS# 4010022
WELL #6

Table 5. Capitol Water Corporation Well #6., Potential Contaminant Inventory

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
	No sources in delineation			

Table 6. Capitol Water Corporation Well #7., Potential Contaminant Inventory

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
1,35	LUST site, Site Cleanup Incomplete , Impact: GROUND WATER; RCRA site	0 - 3 YR	Database Search	IOC, VOC, SOC
2,6,22,36	LUST site,Site Cleanup Completed , Impact: Unknown; UST site, Other; Closed; RCRA site, Tire-Dealers-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
3	UST site, Not Listed; Closed	0 - 3 YR	Database Search	VOC, SOC
4	UST site, Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
5,19	UST site, Gas Station; Open; Service Stations-Gasoline & Oil	0 - 3 YR	Database Search	IOC, VOC, SOC
7,37	UST site, Gas Station; Open; SARA	0 - 3 YR	Database Search	IOC, VOC, SOC
8	UST site, Gas Station; Open	0 - 3 YR	Database Search	IOC, VOC, SOC
9,17	UST site, Other; Closed; Automobile Repairing & Service	0 - 3 YR	Database Search	IOC, VOC, SOC
10	Excavating Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
11	Scrap Metals-Processing/Recycling	0 - 3 YR	Database Search	IOC, VOC, SOC
12	Automobile Parts & Supplies-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
13	Excavating Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
14	Automobile Machine Shop Service	0 - 3 YR	Database Search	IOC, VOC, SOC
15	Bicycles-Dealers	0 - 3 YR	Database Search	IOC, VOC, SOC
16,34	RCRA site; Mufflers & Exhaust Systems-Engine repair	0 - 3 YR	Database Search	IOC, VOC, SOC
18	Water & Sewage Companies	0 - 3 YR	Database Search	IOC, VOC, SOC
20	Cleaners	0 - 3 YR	Database Search	IOC, VOC
21	Automobile Parts & Supplies-Retail	0 - 3 YR	Database Search	IOC, VOC, SOC
23	Automobile Seatcovers Tops & Upholstry	0 - 3 YR	Database Search	VOC
24	Building Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
25	Photographers-Portrait	0 - 3 YR	Database Search	IOC, VOC
26	Artificial Eyes-Human (Manufacture)	0 - 3 YR	Database Search	IOC, VOC, SOC
27	Movers	0 - 3 YR	Database Search	IOC, VOC, SOC
28	Motorcycles & Motor Scooters-Repair and Service	0 - 3 YR	Database Search	IOC, VOC, SOC
29	Printers	0 - 3 YR	Database Search	IOC, VOC
30	Automobile Dealers-Used Cars	0 - 3 YR	Database Search	IOC, VOC, SOC
31	Excavating Contractors	0 - 3 YR	Database Search	IOC, VOC, SOC
32	Sewage Disposal Systems	0 - 3 YR	Database Search	IOC, VOC, SOC, Microbials
33	Garden Centers	0 - 3 YR	Database Search	IOC, VOC, SOC
38,52,70,165,185,192	LUST site, Site Cleanup Incomplete , Impact: Unknown; UST site, Petroleum Distributor; Open; Oil Producers;RCRA site;SARA, Petroleum bulk stations & term; AST,	3 - 6 YR	Database Search	IOC, VOC, SOC
39,46	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Gas Station; Closed	3 - 6 YR	Database Search	VOC, SOC
40,81,194	Pipe Line Companies; LUST site, Site Cleanup Incomplete , Impact: Unknown; AST	3 - 6 YR	Database Search	IOC, VOC, SOC
41,178	SARA; UST site, Truck/Transporter; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
42	UST site, Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
44	UST site, Not Listed; Closed	3 - 6 YR	Database Search	VOC
45,173	RCRA site; UST site, Commercial; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
47,128	UST site, Truck/Transporter; Closed; Movers	3 - 6 YR	Database Search	VOC, SOC
48	UST site, Truck/Transporter; Open	3 - 6 YR	Database Search	VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
49,73,190,193	UST site, Petroleum Distributor; Closed; Oils-Fuel (Wholesale) ; SARA, Gasoline service stations; AST	3 - 6 YR	Database Search	IOC, VOC, SOC
50	UST site, Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
51	UST site, Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
53	UST site,Commercial; Closed	3 - 6 YR	Database Search	VOC, SOC
54	UST site, Gas Station; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
55	UST site,Not Listed; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
56	UST site, Not Listed; Closed	3 - 6 YR	Database Search	VOC, SOC
57	UST site, Other; Closed	3 - 6 YR	Database Search	VOC, SOC
58	UST site, Other; Open	3 - 6 YR	Database Search	VOC, SOC
59	UST site, Gas Station; Closed	3 - 6 YR	Database Search	IOC, VOC, SOC
60	UST site, Local Government; Closed	3 - 6 YR	Database Search	VOC, SOC
61	UST site,Other; Closed	3 - 6 YR	Database Search	VOC, SOC
62,115	UST site, Commercial; Closed; Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	VOC, SOC
63	UST site, Federal Non-Military; Open	3 - 6 YR	Database Search	VOC, SOC
64	UST site,Aircraft Owner; Open	3 - 6 YR	Database Search	IOC, VOC, SOC
65	Embossing	3 - 6 YR	Database Search	IOC, VOC
66	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
67	Lawn Maintenance	3 - 6 YR	Database Search	IOC, SOC
68	Aircraft Servicing & Maintenance	3 - 6 YR	Database Search	IOC, VOC, SOC
69	Janitor Service	3 - 6 YR	Database Search	IOC, VOC, SOC
71	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
72	Automobile Repairing & Service	3 - 6 YR	Database Search	IOC, VOC, SOC
74	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
75	Automobile Dealers-Used Cars	3 - 6 YR	Database Search	IOC, SOC
76	Automobile Dealers-Used Cars	3 - 6 YR	Database Search	IOC, SOC
77,167,186	Oil Producers; RCRA site; SARA, Petroleum bulk stations & terminal	3 - 6 YR	Database Search	IOC, VOC, SOC
78	Septic Tanks-Cleaning & Repairing	3 - 6 YR	Database Search	IOC
79	Hospitals	3 - 6 YR	Database Search	IOC, SOC
80,169	Automobile Body-Repairing & Painting; RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
82	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
83	Cleaners	3 - 6 YR	Database Search	IOC, VOC
84	Trucking-Heavy Hauling	3 - 6 YR	Database Search	IOC, VOC, SOC
85	Controls Control Sys	3 - 6 YR	Database Search	IOC, VOC, SOC
86	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
87	Cleaners-Upholstery	3 - 6 YR	Database Search	VOC
88	Typesetting (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
89	Window Cleaning	3 - 6 YR	Database Search	VOC
90	Electrical Power Systems-Maintenance	3 - 6 YR	Database Search	IOC, VOC
91	Electric Equipment-Manufacturers	3 - 6 YR	Database Search	IOC, VOC
92	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
93	Home Improvements	3 - 6 YR	Database Search	IOC, VOC, SOC
94	Delivery Service	3 - 6 YR	Database Search	IOC, VOC, SOC
95	Excavating Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
96	Optical Goods-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
97	Publishers-Periodicals	3 - 6 YR	Database Search	IOC, VOC
98	Electric Equipment & Supplies(Wholesale)	3 - 6 YR	Database Search	IOC, VOC
99	Petroleum Products (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
100	Car Washing & Polishing-Coin Operated	3 - 6 YR	Database Search	IOC, VOC, SOC
101,195	AST; Oils-Fuel (Wholesale)	3 - 6 YR	Database Search	IOC, VOC, SOC
102	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
103	Industrial Equipment & Supplies	3 - 6 YR	Database Search	IOC, VOC, SOC
104	Floor Refinishing & Resurfacing	3 - 6 YR	Database Search	VOC, SOC
105	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
106	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
107	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
108	Candles-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
109	Leather Goods-Manufacturers	3 - 6 YR	Database Search	IOC, VOC, SOC
110	Microfilming Service Equipment & Supplies	3 - 6 YR	Database Search	IOC, VOC
111	Screen Printing	3 - 6 YR	Database Search	IOC, VOC
112	Automobile Body Shop Equipment and Supplies	3 - 6 YR	Database Search	IOC, VOC, SOC
113,187	SARA; Newspapers (Publishers)	3 - 6 YR	Database Search	IOC, VOC
114	Laboratories-Medical	3 - 6 YR	Database Search	IOC, SOC
116	Automobile Machine Shop Service	3 - 6 YR	Database Search	IOC, VOC, SOC
117	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
118	Laboratories-Medical	3 - 6 YR	Database Search	IOC, SOC
119	Laundries	3 - 6 YR	Database Search	VOC
120	Tire-Dealers-Retail	3 - 6 YR	Database Search	IOC, VOC, SOC
121	Printers	3 - 6 YR	Database Search	IOC, VOC
122	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
123	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
124	Oil Additives-Distributors	3 - 6 YR	Database Search	IOC, VOC, SOC
125	Welding	3 - 6 YR	Database Search	IOC, VOC, SOC
126	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
127	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
129	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
130	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
131	Paint-Retail	3 - 6 YR	Database Search	IOC, VOC, SOC
132	Plants-Interior Design & Maintenance	3 - 6 YR	Database Search	IOC, SOC
133	Home Builders	3 - 6 YR	Database Search	IOC, VOC, SOC
134	Laboratories-Dental	3 - 6 YR	Database Search	IOC, SOC
135	Bicycles-Dealers	3 - 6 YR	Database Search	IOC, VOC, SOC
136	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
137	Controls Control Sysyts/Regulators	3 - 6 YR	Database Search	IOC, VOC, SOC
138	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
139	Laboratories-Dental	3 - 6 YR	Database Search	IOC, SOC
140	Building Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
141	Signs (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
142	Hospitals	3 - 6 YR	Database Search	IOC, SOC
144	Hospitals	3 - 6 YR	Database Search	IOC, SOC
145	Hospitals	3 - 6 YR	Database Search	IOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
146	Newsletters (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
147	Plumbing Fixtures & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC, SOC
148	Photo Finishing-Retail	3 - 6 YR	Database Search	IOC, VOC
149,150	Service Stations-Gasoline & Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
151	Storage-Household & Commercial	3 - 6 YR	Database Search	IOC, VOC, SOC
152	Veterinarians	3 - 6 YR	Database Search	IOC, SOC
153	General Contractors	3 - 6 YR	Database Search	IOC, VOC, SOC
154	Plating (Manufacturers)	3 - 6 YR	Database Search	IOC, VOC
155	Laboratories-Medical	3 - 6 YR	Database Search	IOC, SOC
156	Stone Cutters	3 - 6 YR	Database Search	IOC, VOC, SOC
157	Laboratories-Medical	3 - 6 YR	Database Search	IOC, SOC
158	Swimming Pool Controls Dealers and design	3 - 6 YR	Database Search	IOC, VOC, SOC
159	Microfilming Service Equipment	3 - 6 YR	Database Search	IOC, VOC
160	Service Stations-Gasoline & Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
161	Water Works Equipment & Supplies	3 - 6 YR	Database Search	IOC, VOC, SOC
162	Electric Equipment & Supplies-Wholesale	3 - 6 YR	Database Search	IOC, VOC
163	Trucking-Motor Freight	3 - 6 YR	Database Search	IOC, VOC, SOC
164	RCRA site, Freight Service	3 - 6 YR	Database Search	IOC, VOC, SOC
166	RCRA site,Body Shop	3 - 6 YR	Database Search	IOC, VOC, SOC
168	RCRA site,Terminaling	3 - 6 YR	Database Search	IOC, VOC, SOC
170	RCRA site,Broadcasting	3 - 6 YR	Database Search	IOC, VOC
171	RCRA site,Federal Enforcement	3 - 6 YR	Database Search	IOC, VOC, SOC
172	RCRA site, Investments	3 - 6 YR	Database Search	IOC, VOC, SOC
174,189	SARA,Petroleum bulk stations & term; RCRA site	3 - 6 YR	Database Search	IOC, VOC, SOC
175,183	SARA,Gen. Medical/Surgical Hospital; RCRA site	3 - 6 YR	Database Search	IOC, SOC
176	RCRA site,News Paper	3 - 6 YR	Database Search	IOC, VOC
177	RCRA site,Chemicals	3 - 6 YR	Database Search	IOC, VOC, SOC
179	SARA, Gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
180	SARA	3 - 6 YR	Database Search	
181	SARA, Oil	3 - 6 YR	Database Search	IOC, VOC, SOC
182	SARA, Telephone com, except radio	3 - 6 YR	Database Search	IOC, VOC
184	SARA, Gasoline service stations	3 - 6 YR	Database Search	IOC, VOC, SOC
188	SARA, Petrol & Pet Prod Wholesalers	3 - 6 YR	Database Search	IOC, VOC, SOC
191	SARA, Liq Petrol Gas (Bot Gas) dealer	3 - 6 YR	Database Search	IOC, VOC, SOC
196	LUST site, Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC
197,218,299	LUST site,Site Cleanup Completed , Impact: GROUND WATER:UST site,Gas Station; Closed;RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
198,208,248,297	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Commercial; Closed; RCRA site,Service Station Equipment (Wholesale)	6 - 10 YR	Database Search	IOC, VOC, SOC
199,212	LUST site, Site Cleanup Completed , Impact: Unknown; UST site, Industrial; Closed	6 - 10 YR	Database Search	VOC, SOC
200,201	LUST site, Site Cleanup Completed , Impact: Unknown	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
202,211	UST site, Gas Station; Closed; LUST site, Site Cleanup Incomplete, Impact: POSSIBLE GROUND WATER	6 - 10 YR	Database Search	IOC, VOC, SOC
203	UST site, Other; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
204	UST site, Not Listed; Closed	6 - 10 YR	Database Search	VOC, SOC
205	UST site, Not Listed; Closed	6 - 10 YR	Database Search	VOC, SOC
206	UST site, Commercial; Closed	6 - 10 YR	Database Search	VOC, SOC
207	UST site, Gas Station; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
209,233	UST site, Other; Closed; Wrecker Service	6 - 10 YR	Database Search	IOC, VOC, SOC
210	UST site, Gas Station; Open	6 - 10 YR	Database Search	IOC, VOC, SOC
213	Not Listed; Closed	6 - 10 YR	Database Search	VOC, SOC
214	UST site, Gas Station; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
215	UST site, Commercial; Closed	6 - 10 YR	Database Search	IOC, VOC, SOC
216	UST site, Commercial; Closed	6 - 10 YR	Database Search	VOC, SOC
217,298	UST site, Other; Open; RCRA site	6 - 10 YR	Database Search	IOC, VOC, SOC
219	Janitor Service	6 - 10 YR	Database Search	VOC
220	Home Improvements	6 - 10 YR	Database Search	IOC, VOC, SOC
221	Automobile Detail & Clean-Up Service	6 - 10 YR	Database Search	VOC
222	Remodeling/Repairing Bldg Contract	6 - 10 YR	Database Search	IOC, VOC, SOC
223	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
224	Radio/Tv Broadcasting/Communication Equipment	6 - 10 YR	Database Search	IOC, VOC
225	Tire-Dealers-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
226	Machine Shops	6 - 10 YR	Database Search	IOC, VOC, SOC
227	Demolition Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
228	Carpet & Rug Cleaners	6 - 10 YR	Database Search	VOC
229	Home Builders	6 - 10 YR	Database Search	IOC, VOC, SOC
230	Automobile Body Shop Equipment and Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
231	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
232	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
234,235	Veterinarians	6 - 10 YR	Database Search	IOC, SOC
236	Motorcycles & Motor Scooters-Repair and Service	6 - 10 YR	Database Search	IOC, VOC, SOC
237,295	RCRA site; Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
238	Tile-Ceramic-Contractors & Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
239	Road Service-Automotive	6 - 10 YR	Database Search	IOC, VOC, SOC
240	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
241	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
242	Wineries	6 - 10 YR	Database Search	IOC, VOC, SOC
243	Concrete Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
244	Cleaners	6 - 10 YR	Database Search	IOC, VOC
245	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
246	Landscape Contractors	6 - 10 YR	Database Search	IOC, SOC
247	Phonograph Record/Prerecorded Tape	6 - 10 YR	Database Search	IOC, VOC, SOC
249	Tire-Dealers-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
250	Automobile Lubrication Service	6 - 10 YR	Database Search	IOC, VOC, SOC
251	Car Washing & Polishing-Coin Operated	6 - 10 YR	Database Search	IOC, VOC, SOC
252	Contractors-Equipment and Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
253	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
254	Fire Protection Equipment & Supplies	6 - 10 YR	Database Search	VOC, SOC
255	Newspapers (Publishers)	6 - 10 YR	Database Search	IOC, VOC
256	Oils-Petroleum-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
257	Printers	6 - 10 YR	Database Search	IOC, VOC
258	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
259	Lawn Maintenance	6 - 10 YR	Database Search	IOC, SOC
260	Property Maintenance	6 - 10 YR	Database Search	IOC, VOC, SOC
261	Boat Dealers	6 - 10 YR	Database Search	IOC, VOC, SOC
262	Transmissions-Automobile	6 - 10 YR	Database Search	IOC, VOC, SOC
263	Industrial Equipment & Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
264	Toys-Manufacturers	6 - 10 YR	Database Search	IOC, VOC, SOC
265	Surgical Instruments-Manufacturers	6 - 10 YR	Database Search	IOC, VOC, SOC
266	Wheel Alignment-Frame & Axle	6 - 10 YR	Database Search	IOC, VOC, SOC
267	Tree Service	6 - 10 YR	Database Search	IOC, SOC
268	Printers	6 - 10 YR	Database Search	IOC, VOC
269	Cleaners	6 - 10 YR	Database Search	IOC, VOC
270	Signs (Manufacturers)	6 - 10 YR	Database Search	IOC, VOC
271	Automobile Repairing & Service	6 - 10 YR	Database Search	IOC, VOC, SOC
272	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
273	Trailers-Truck (Wholesale)	6 - 10 YR	Database Search	VOC, SOC
274	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
275,300	RCRA site; Automobile Body-Repairing & Painting	6 - 10 YR	Database Search	IOC, VOC, SOC
276,301	RCRA site; Printers	6 - 10 YR	Database Search	IOC, VOC
277	Patio Porch & Deck Enclosures	6 - 10 YR	Database Search	IOC, VOC, SOC
278	Trucking-Local Cartage	6 - 10 YR	Database Search	IOC, VOC, SOC
279	Home Builders	6 - 10 YR	Database Search	IOC, VOC, SOC
280	Automobile Lubrication Service	6 - 10 YR	Database Search	IOC, VOC, SOC
281,302	RCRA site; Automobile Radiator-Repairing	6 - 10 YR	Database Search	IOC, VOC, SOC
282	Roofing Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
283	Drapery & Curtain Cleaners	6 - 10 YR	Database Search	IOC, VOC
284	Car Washing/Polishing Equip/Supplies	6 - 10 YR	Database Search	IOC, VOC, SOC
285	Photographers-Portrait	6 - 10 YR	Database Search	IOC, VOC
286	Automobile Parts & Supplies-Retail	6 - 10 YR	Database Search	IOC, VOC, SOC
287	Motorcycles & Motor Scooters-Dealer	6 - 10 YR	Database Search	IOC, VOC, SOC
288	Storage-Household & Commercial	6 - 10 YR	Database Search	IOC, VOC, SOC
289	Photographers-Portrait	6 - 10 YR	Database Search	IOC, VOC
290	Barbers Equipment & Supplies (Wholesale)	6 - 10 YR	Database Search	IOC, VOC, SOC
291	Truck Renting & Leasing	6 - 10 YR	Database Search	IOC, VOC, SOC
292	Federal Government-National Security	6 - 10 YR	Database Search	IOC, VOC, SOC
293	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
294	General Contractors	6 - 10 YR	Database Search	IOC, VOC, SOC
296	3105 CHERRY LANE APT 20	6 - 10 YR	Database Search	
303	RCRA site,Cleaners	6 - 10 YR	Database Search	IOC, VOC, SOC
304	Sand and Gravel	6 - 10 YR	Database Search	IOC, VOC, SOC
305	Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC
306	Gasoline service stations	6 - 10 YR	Database Search	IOC, VOC, SOC

SITE #	Source Description ¹	TOT Zone ² (years)	Source of Information	Potential Contaminants ³
307	SARA, Water supply	6 - 10 YR	Database Search	IOC, SOC
308	Petroleum tanks	6 - 10 YR	Database Search	IOC, VOC, SOC

¹ RCRA = Resource Conservation and Recovery Act, SARA = Superfund Amendments and Reauthorization Act., WLAP = Wastewater Land Applications Sites, UST = Underground Storage Tank

² TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead

³ IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical

Attachment B

Capitol Water Corporation Susceptibility Analysis Worksheet

The final scores for the susceptibility analysis were determined using the following formulas:

- 1) VOC/SOC/IOC Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.2)
- 2) Microbial Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.375)

Final Susceptibility Scoring:

0 - 5 Low Susceptibility

6 - 12 Moderate Susceptibility

≥ 13 High Susceptibility

1. System Construction

SCORE

Drill Date	UNKNOWN	
Driller Log Available	NO	
Sanitary Survey (if yes, indicate date of last survey)	NO	0
Well meets IDWR construction standards	NO	1
Wellhead and surface seal maintained	NO	1
Casing and annular seal extend to low permeability unit	NO	2
Highest production 100 feet below static water level	YES	0
Well located outside the 100 year flood plain	NO	1
Total System Construction Score		5

2. Hydrologic Sensitivity

Soils are poorly to moderately drained	NO	2
Vadose zone composed of gravel, fractured rock or unknown	YES	1
Depth to first water > 300 feet	NO	1
Aquitard present with > 50 feet cumulative thickness	NO	2
Total Hydrologic Score		6

3. Potential Contaminant / Land Use - ZONE 1A

IOC Score	VOC Score	SOC Score	Microbial Score
-----------	-----------	-----------	-----------------

Land Use Zone 1A	URBAN/COMMERCIAL	2	2	2	2
Farm chemical use high	NO	0	0	0	
IOC, VOC, SOC, or Microbial sources in Zone 1A	YES	YES	YES	YES	YES
Total Potential Contaminant Source/Land Use Score - Zone 1A		2	2	2	2

Potential Contaminant / Land Use - ZONE 1B

Contaminant sources present (Number of Sources)	YES	123	136	114	10
(Score = # Sources X 2) 8 Points Maximum		8	8	8	8
Sources of Class II or III leacheable contaminants or	YES	32	32	32	
4 Points Maximum		4	4	4	
Zone 1B contains or intercepts a Group 1 Area	YES	0	2	2	0
Land use Zone 1B	Less Than 25% Agricultural Land	0	0	0	0
Total Potential Contaminant Source / Land Use Score - Zone 1B		12	14	14	8

Potential Contaminant / Land Use - ZONE II

Contaminant Sources Present	YES	2	2	2	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Land Use Zone II	Less than 25% Agricultural Land	0	0	0	
Potential Contaminant Source / Land Use Score - Zone II		3	3	3	0

Potential Contaminant / Land Use - ZONE III

Contaminant Source Present	YES	1	1	1	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Is there irrigated agricultural lands that occupy > 50% of	NO	0	0	0	
Total Potential Contaminant Source / Land Use Score - Zone III		2	2	2	0

Cumulative Potential Contaminant / Land Use Score

19	21	21	10
----	----	----	----

4. Final Susceptibility Source Score

15	15	15	15
----	----	----	----

5. Final Well Ranking

High	High	High	High
------	------	------	------

1. System Construction

SCORE

Drill Date	07/01/1959	
Driller Log Available	YES	
Sanitary Survey (if yes, indicate date of last survey)	NO	0
Well meets IDWR construction standards	NO	1
Wellhead and surface seal maintained	NO	1
Casing and annular seal extend to low permeability unit	NO	2
Highest production 100 feet below static water level	YES	0
Well located outside the 100 year flood plain	NO	1
Total System Construction Score		5

2. Hydrologic Sensitivity

Soils are poorly to moderately drained	NO	2
Vadose zone composed of gravel, fractured rock or unknown	YES	1
Depth to first water > 300 feet	NO	1
Aquitard present with > 50 feet cumulative thickness	YES	0
Total Hydrologic Score		4

3. Potential Contaminant / Land Use - ZONE 1A

IOC Score	VOC Score	SOC Score	Microbial Score
-----------	-----------	-----------	-----------------

Land Use Zone 1A	URBAN/COMMERCIAL	2	2	2	2
Farm chemical use high	NO	0	0	0	
IOC, VOC, SOC, or Microbial sources in Zone 1A	YES	NO	YES	NO	NO
Total Potential Contaminant Source/Land Use Score - Zone 1A		2	2	2	2

Potential Contaminant / Land Use - ZONE 1B

Contaminant sources present (Number of Sources)	YES	37	29	32	8
(Score = # Sources X 2) 8 Points Maximum		8	8	8	8
Sources of Class II or III leacheable contaminants or	YES	9	9	9	
4 Points Maximum		4	4	4	
Zone 1B contains or intercepts a Group 1 Area	YES	0	2	0	0
Land use Zone 1B	Less Than 25% Agricultural Land	0	0	0	0
Total Potential Contaminant Source / Land Use Score - Zone 1B		12	14	12	8

Potential Contaminant / Land Use - ZONE II

Contaminant Sources Present	YES	2	2	2	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Land Use Zone II	Less than 25% Agricultural Land	0	0	0	
Potential Contaminant Source / Land Use Score - Zone II		3	3	3	0

Potential Contaminant / Land Use - ZONE III

Contaminant Source Present	YES	1	1	1	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Is there irrigated agricultural lands that occupy > 50% of	NO	0	0	0	
Total Potential Contaminant Source / Land Use Score - Zone III		2	2	2	0

Cumulative Potential Contaminant / Land Use Score

19	21	19	10
----	----	----	----

4. Final Susceptibility Source Score

13	13	13	13
----	----	----	----

5. Final Well Ranking

High	High	High	High
------	------	------	------

1. System Construction

SCORE

Drill Date	06/07/1971	
Driller Log Available	YES	
Sanitary Survey (if yes, indicate date of last survey)	NO	0
Well meets IDWR construction standards	NO	1
Wellhead and surface seal maintained	NO	1
Casing and annular seal extend to low permeability unit	YES	0
Highest production 100 feet below static water level	YES	0
Well located outside the 100 year flood plain	NO	1
Total System Construction Score		3

2. Hydrologic Sensitivity

Soils are poorly to moderately drained	NO	2
Vadose zone composed of gravel, fractured rock or unknown	YES	1
Depth to first water > 300 feet	NO	1
Aquitard present with > 50 feet cumulative thickness	YES	0
Total Hydrologic Score		4

3. Potential Contaminant / Land Use - ZONE 1A

IOC Score	VOC Score	SOC Score	Microbial Score
-----------	-----------	-----------	-----------------

Land Use Zone 1A	URBAN/COMMERCIAL	2	2	2	2
Farm chemical use high	NO	0	0	0	
IOC, VOC, SOC, or Microbial sources in Zone 1A	YES	YES	YES	YES	YES
Total Potential Contaminant Source/Land Use Score - Zone 1A		2	2	2	2

Potential Contaminant / Land Use - ZONE 1B

Contaminant sources present (Number of Sources)	YES	12	7	14	3
(Score = # Sources X 2) 8 Points Maximum		8	8	8	6
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
4 Points Maximum		1	1	1	
Zone 1B contains or intercepts a Group 1 Area	YES	2	2	0	0
Land use Zone 1B	Less Than 25% Agricultural Land	0	0	0	0
Total Potential Contaminant Source / Land Use Score - Zone 1B		11	11	9	6

Potential Contaminant / Land Use - ZONE II

Contaminant Sources Present	YES	2	2	2	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Land Use Zone II	Less than 25% Agricultural Land	0	0	0	
Potential Contaminant Source / Land Use Score - Zone II		3	3	3	0

Potential Contaminant / Land Use - ZONE III

Contaminant Source Present	YES	1	1	1	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Is there irrigated agricultural lands that occupy > 50% of	NO	0	0	0	
Total Potential Contaminant Source / Land Use Score - Zone III		2	2	2	0

Cumulative Potential Contaminant / Land Use Score

18	18	16	8
----	----	----	---

4. Final Susceptibility Source Score

11	11	10	10
----	----	----	----

5. Final Well Ranking

High	High	High	High
------	------	------	------

1. System Construction

SCORE

Drill Date	08/01/1991	
Driller Log Available	YES	
Sanitary Survey (if yes, indicate date of last survey)	NO	0
Well meets IDWR construction standards	NO	1
Wellhead and surface seal maintained	NO	1
Casing and annular seal extend to low permeability unit	NO	1
Highest production 100 feet below static water level	YES	0
Well located outside the 100 year flood plain	NO	1
Total System Construction Score		4

2. Hydrologic Sensitivity

Soils are poorly to moderately drained	NO	2
Vadose zone composed of gravel, fractured rock or unknown	YES	1
Depth to first water > 300 feet	NO	1
Aquitard present with > 50 feet cumulative thickness	YES	0
Total Hydrologic Score		4

3. Potential Contaminant / Land Use - ZONE 1A

IOC Score	VOC Score	SOC Score	Microbial Score
-----------	-----------	-----------	-----------------

Land Use Zone 1A	IRRIGATED CROPLAND	2	2	2	2
Farm chemical use high	NO	0	0	0	
IOC, VOC, SOC, or Microbial sources in Zone 1A	YES	YES	YES	YES	YES
Total Potential Contaminant Source/Land Use Score - Zone 1A		2	2	2	2

Potential Contaminant / Land Use - ZONE 1B

Contaminant sources present (Number of Sources)	NO	0	0	0	0
(Score = # Sources X 2) 8 Points Maximum		0	0	0	0
Sources of Class II or III leacheable contaminants or	NO	0	0	0	
4 Points Maximum		0	0	0	
Zone 1B contains or intercepts a Group 1 Area	NO	0	0	0	0
Land use Zone 1B	Greater Than 50% Irrigated Agricultural Land	4	4	4	4
Total Potential Contaminant Source / Land Use Score - Zone 1B		4	4	4	4

Potential Contaminant / Land Use - ZONE II

Contaminant Sources Present	NO	0	0	0	
Sources of Class II or III leacheable contaminants or	NO	0	0	0	
Land Use Zone II		0	0	0	
Potential Contaminant Source / Land Use Score - Zone II		0	0	0	0

Potential Contaminant / Land Use - ZONE III

Contaminant Source Present	NO	0	0	0	
Sources of Class II or III leacheable contaminants or	NO	0	0	0	
Is there irrigated agricultural lands that occupy > 50% of	NO	0	0	0	
Total Potential Contaminant Source / Land Use Score - Zone III		0	0	0	0

Cumulative Potential Contaminant / Land Use Score

6	6	6	6
---	---	---	---

4. Final Susceptibility Source Score

9	9	9	10
---	---	---	----

5. Final Well Ranking

High	High	High	High
------	------	------	------

1. System Construction

SCORE

Drill Date	04/21/1998	
Driller Log Available	YES	
Sanitary Survey (if yes, indicate date of last survey)	NO	0
Well meets IDWR construction standards	YES	0
Wellhead and surface seal maintained	NO	1
Casing and annular seal extend to low permeability unit	YES	0
Highest production 100 feet below static water level	YES	0
Well located outside the 100 year flood plain	NO	1
Total System Construction Score		2

2. Hydrologic Sensitivity

Soils are poorly to moderately drained	NO	2
Vadose zone composed of gravel, fractured rock or unknown	YES	1
Depth to first water > 300 feet	NO	1
Aquitard present with > 50 feet cumulative thickness	YES	0
Total Hydrologic Score		4

3. Potential Contaminant / Land Use - ZONE 1A

IOC Score VOC Score SOC Score Microbial Score

Land Use Zone 1A	URBAN/COMMERCIAL	2	2	2	2
Farm chemical use high	NO	0	0	0	
IOC, VOC, SOC, or Microbial sources in Zone 1A	YES	NO	NO	NO	NO
Total Potential Contaminant Source/Land Use Score - Zone 1A		2	2	2	2

Potential Contaminant / Land Use - ZONE 1B

Contaminant sources present (Number of Sources)	YES	27	29	24	1
(Score = # Sources X 2) 8 Points Maximum		8	8	8	2
Sources of Class II or III leacheable contaminants or	YES	8	8	8	
4 Points Maximum		4	4	4	
Zone 1B contains or intercepts a Group 1 Area	YES	2	2	0	0
Land use Zone 1B Less Than 25% Agricultural Land		0	0	0	0
Total Potential Contaminant Source / Land Use Score - Zone 1B		14	14	12	2

Potential Contaminant / Land Use - ZONE II

Contaminant Sources Present	YES	2	2	2	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Land Use Zone II Less than 25% Agricultural Land		0	0	0	
Potential Contaminant Source / Land Use Score - Zone II		3	3	3	0

Potential Contaminant / Land Use - ZONE III

Contaminant Source Present	YES	1	1	1	
Sources of Class II or III leacheable contaminants or	YES	1	1	1	
Is there irrigated agricultural lands that occupy > 50% of	NO	0	0	0	
Total Potential Contaminant Source / Land Use Score - Zone III		2	2	2	0

Cumulative Potential Contaminant / Land Use Score

21 21 19 4

4. Final Susceptibility Source Score

10 10 10 8

5. Final Well Ranking

Moderate Moderate Moderate Moderate